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NATIONAL CLIMATIC CENTER ASHEVILLE NC

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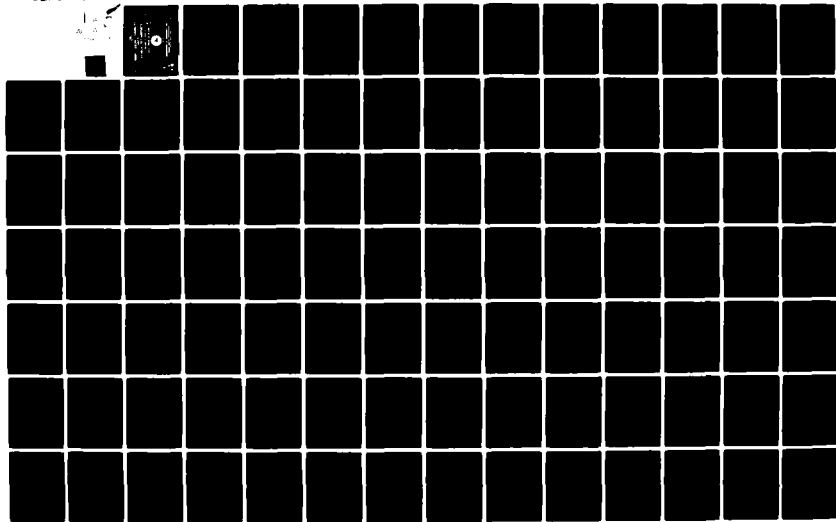
WIND - CEILING - VISIBILITY DATA AT SELECTED AIRPORTS. VOLUME V--ETC(U)

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DOT-FA79WAI-057

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COMMERCIAL - VARIOUS

DATA

SELECTED AIRPORTS

WINTER WINTER

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1. Report No.		2. Government Accession No. <i>AD-A108167</i>		3. Recipient's Catalog No.	
4. Title and Subtitle Wind-Ceiling-Visibility Data at Selected Airports - Volume VII B -Rocky Mountain Region				5. Report Date June 1981	
7. Author(s)				6. Performing Organization Code	
9. Performing Organization Name and Address National Climatic Center Federal Building Asheville, North Carolina 28801				8. Performing Organization Report No.	
12. Sponsoring Agency Name and Address DOT/Federal Aviation Administration Office of Aviation Policy and Plans 800 Independence Avenue, S.W. Washington, D.C. 20591				10. Work Unit No. (TRAILS)	
				11. Contract or Grant No. DOT-FA79WAI-057	
				13. Type of Report and Period Covered Final Report	
15. Supplementary Notes				14. Sponsoring Agency Code	
16. Abstract This report provides summary tables and graphic wind roses depicting wind direction and speed under specific ceiling - visibility conditions at 283 airports. This data will be used in the application of FAA's establishment criteria for precision and non-precision approach and landing aids.					
17. Key Words Ceiling, visibility, climatology			18. Distribution Statement Document is available to the public through the National Technical Information Service, Springfield, Va. 22151		
19. Security Classif. (of this report) Unclassified		20. Security Classif. (of this page) Unclassified		21. No. of Pages 468	
				22. Price	

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Interagency Agreement DOT-FA79WAL-057

WIND-CEILING-VISIBILITY
DATA
AT SELECTED AIRPORTS

DTIC
COLLECTED

April 1981

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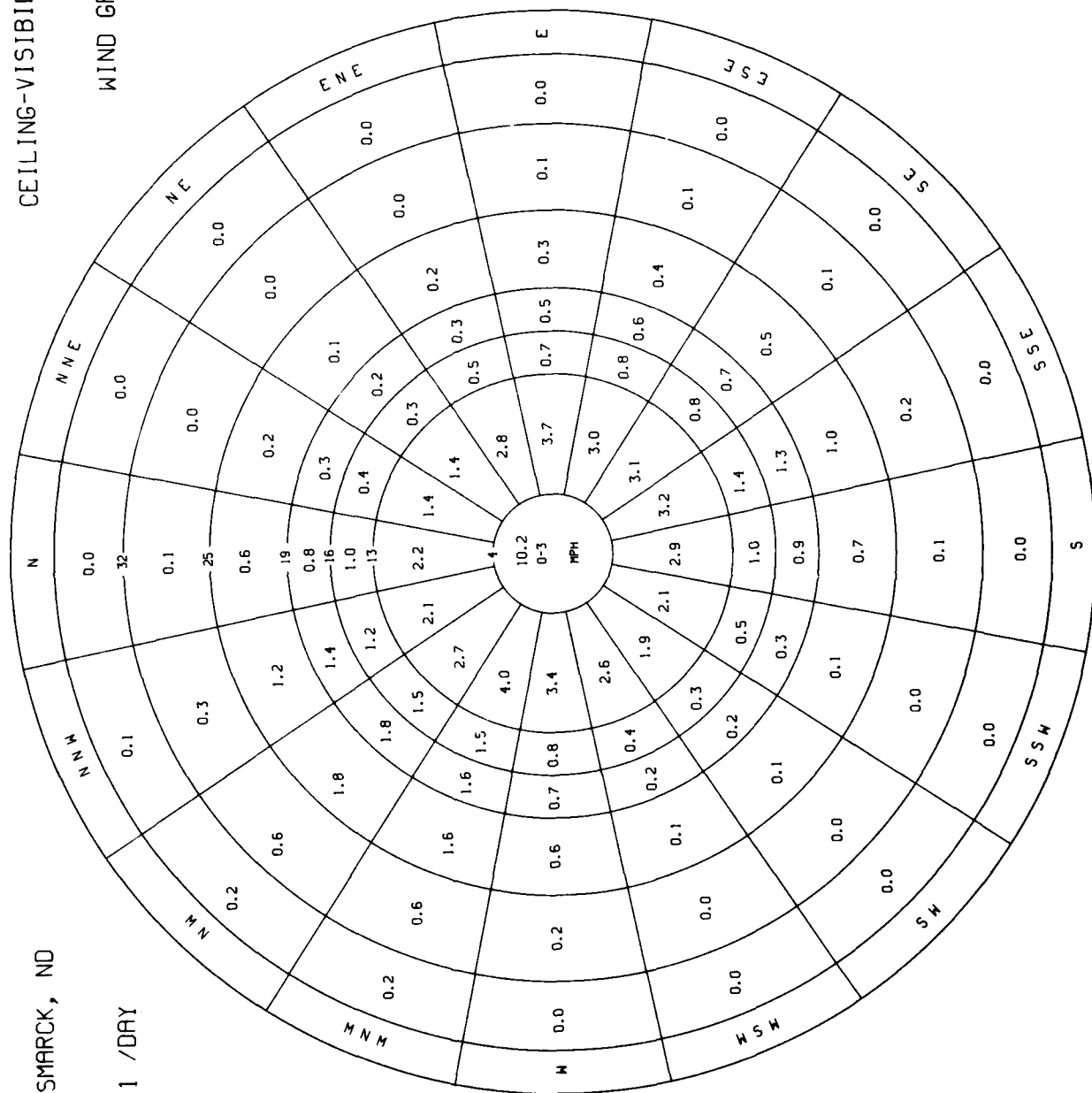
This report has been prepared by the U. S. Department of Commerce, National Oceanic and Atmospheric Administration, Environmental Data and Information Service, National Climatic Center, Asheville, North Carolina for the Office of Aviation Policy and Plans, Federal Aviation Administration under Interagency Agreement No. DOT-FA79WAL-057. The contents of this report reflect the views of the contractor, who is responsible for the facts and accuracy of the data presented herein, and do not necessarily reflect the official views or policy of the FAA. This report does not constitute a standard, specification or regulation.

CEILING-VISIBILITY

WIND GRAPH

BIS BISMARCK, ND

CLASS 1 / DAY



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CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BIS BISMARCK, ND

CLASS 1 / DAY

STATION NUMBER: 24011

NO. OBS.: 45089

PERIOD: 1948-1978

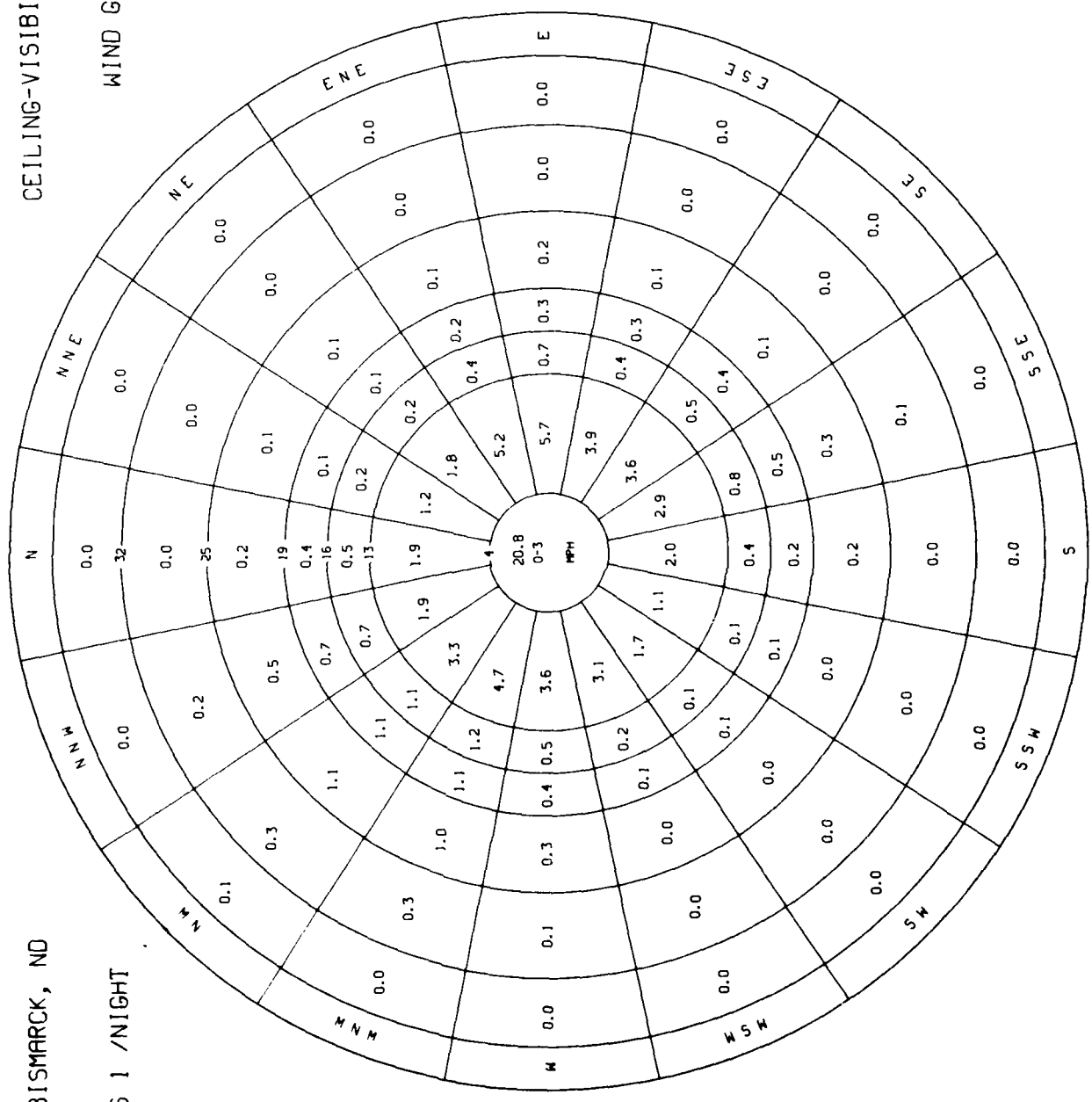
Accession for	NTIS GRA&I	DTIC TAB	Unannounced	Justification	By	Distribution/	Availability Codes	Avail and/or	Special
									7

D I R	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D		
N	.2	.2	2.2	2.4	1.0	1.1	.8	.9	.6	.6	.1	.1	.0	.0	4.9	5.4	12.7
NNE	.2	.2	1.4	1.5	.4	.5	.3	.4	.2	.2	.0	.0	.0	.0	2.5	2.8	11.3
NE	.3	.3	1.4	1.6	.3	.3	.2	.2	.1	.2	.0	.0	.0	.0	2.4	2.6	10.0
ENE	.5	.5	2.8	3.1	.5	.5	.3	.3	.2	.2	.0	.0	.0	.0	4.3	4.8	9.4
E	.7	.7	3.7	4.1	.7	.8	.5	.6	.3	.3	.1	.1	.0	.0	5.9	6.6	9.6
ESE	.5	.5	3.0	3.3	.8	.8	.6	.6	.4	.5	.1	.1	.0	.0	5.3	5.9	10.9
SE	.4	.4	3.1	3.4	.8	.9	.7	.7	.5	.5	.1	.1	.0	.0	5.5	6.1	11.3
SSE	.4	.4	3.2	3.5	1.4	1.5	1.3	1.5	1.0	1.1	.2	.2	.0	.0	7.5	8.3	13.1
S	.3	.3	2.9	3.2	1.0	1.1	.9	1.0	.7	.7	.1	.1	.0	.0	5.9	6.5	12.2
SSW	.3	.3	2.1	2.3	.5	.6	.3	.3	.1	.2	.0	.0	.0	.0	3.3	3.7	10.1
SW	.4	.5	1.9	2.1	.3	.4	.2	.2	.1	.1	.0	.0	.0	.0	3.0	3.3	8.9
WSW	.5	.6	2.6	2.9	.4	.5	.2	.3	.1	.2	.0	.0	.0	.0	3.9	4.4	9.0
W	.7	.8	3.4	3.8	.8	.9	.7	.8	.6	.6	.2	.2	.0	.0	6.4	7.1	11.2
WNW	.5	.5	4.0	4.5	1.5	1.7	1.6	1.7	1.6	1.8	.6	.6	.2	.2	10.0	11.1	14.0
NW	.3	.3	2.7	3.0	1.5	1.6	1.8	2.0	1.8	2.0	.6	.7	.2	.2	8.9	9.8	15.6
NNW	.2	.3	2.1	2.3	1.2	1.3	1.4	1.5	1.2	1.4	.3	.4	.1	.1	6.5	7.2	14.9
CALM	4.0	4.4													4.0	4.4	
TOTAL	10.2	11.3	42.4	47.0	13.2	14.6	11.8	13.1	9.6	10.6	2.5	2.7	.5	.6	90.2	100	11.6

393

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BIS BISMARCK, ND

PERIOD: 1948-1978

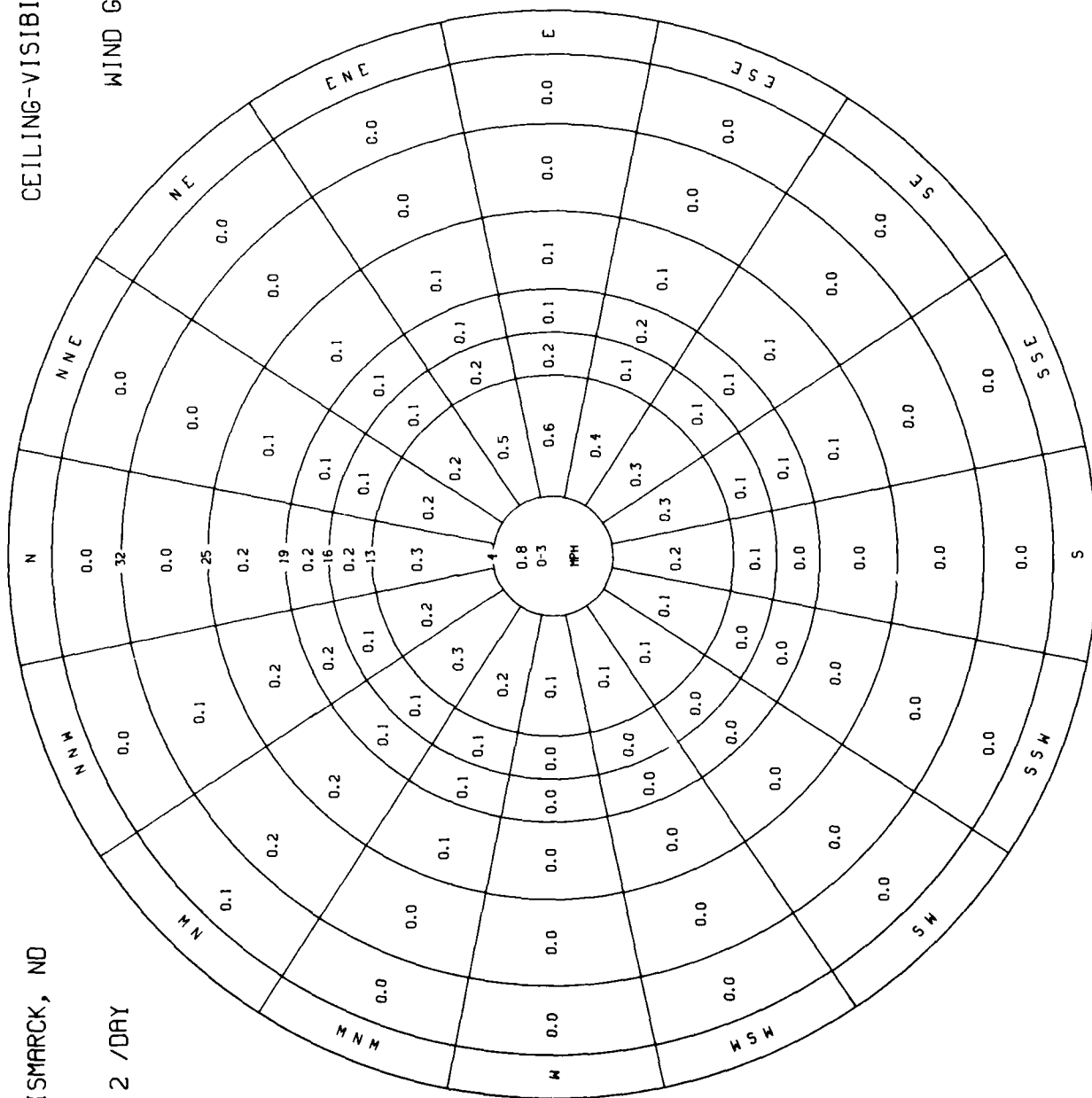
CLASS 1 / NIGHT

STATION NUMBER: 24011

NO. OBS.: 35877

D I R	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.3	.3	1.9	2.1	.5	.5	.4	.5	.2	.3	.0	.0	.0	.0	3.3	3.8	10.7
NNE	.3	.4	1.2	1.4	.2	.2	.1	.2	.1	.1	.0	.0	.0	.0	2.0	2.3	8.9
NE	.5	.6	1.8	2.1	.2	.2	.1	.1	.1	.1	.0	.0	.0	.0	2.7	3.1	7.8
ENE	1.0	1.2	5.2	5.9	.4	.4	.2	.2	.1	.2	.0	.0	.0	.0	7.0	7.9	7.7
E	1.5	1.7	5.7	6.5	.7	.7	.3	.4	.2	.2	.0	.0	.0	.0	8.4	9.6	8.0
ESE	1.0	1.1	3.9	4.4	.4	.5	.3	.3	.1	.1	.0	.0	.0	.0	5.7	6.5	8.0
SE	.7	.8	3.6	4.1	.5	.5	.4	.4	.1	.1	.0	.0	.0	.0	5.3	6.0	8.7
SSE	.5	.6	2.9	3.3	.8	.9	.5	.6	.3	.4	.1	.1	.0	.0	5.2	5.9	10.6
S	.5	.6	2.0	2.2	.4	.4	.2	.3	.2	.2	.0	.0	.0	.0	3.3	3.7	9.0
SSW	.4	.4	1.1	1.3	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	1.8	2.0	7.6
SW	.6	.7	1.7	1.9	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	2.5	2.8	6.7
WSW	.9	1.0	3.1	3.5	.2	.2	.1	.1	.0	.1	.0	.0	.0	.0	4.4	4.9	6.9
W	1.1	1.2	3.6	4.1	.5	.5	.4	.5	.3	.3	.1	.1	.0	.0	5.9	6.7	8.7
WNW	.7	.8	4.7	5.3	1.2	1.4	1.1	1.2	1.0	1.1	.3	.3	.0	.1	9.0	10.2	11.8
NW	.5	.6	3.3	3.7	1.1	1.2	1.1	1.3	1.1	1.2	.3	.4	.1	.1	7.5	8.5	13.1
NNW	.3	.4	1.9	2.2	.7	.8	.7	.8	.5	.6	.2	.2	.0	.0	4.4	5.0	12.9
CALM	10.0	11.3													10.0	11.3	
TOTAL	20.8	23.5	47.8	54.0	7.9	8.9	6.2	7.1	4.4	4.9	1.1	1.3	.2	.2	88.4	100	8.4

CEILING-VISIBILITY WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: BIS BISMARCK, ND

CLASS 2 / DAY

NO. OBS.: 4906

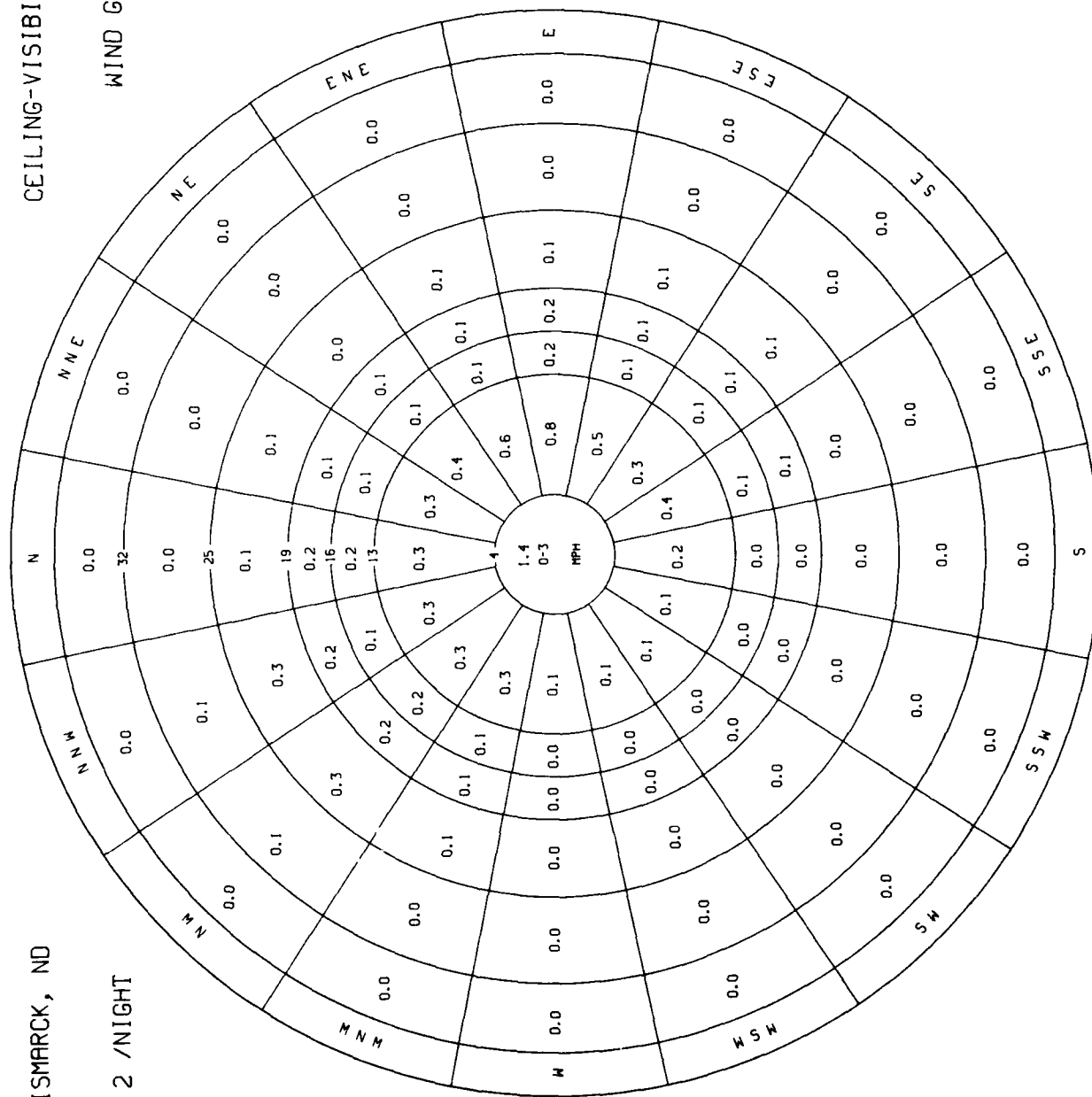
STATION NUMBER: 24011

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.0	.2	.3	3.0	.2	1.8	.2	1.9	.2	1.7	.0	.4	.0	.1	.9	9.1	15.0
NNE	.0	.2	.2	2.2	.1	.9	.1	1.3	.1	.9	.0	.2	.0	.0	.6	5.8	14.0
NE	.0	.4	.2	2.5	.1	.9	.1	.7	.1	.8	.0	.2	.0	.1	.5	5.5	13.0
ENE	.1	.7	.5	4.6	.2	1.7	.1	1.4	.1	1.1	.0	.2	.0	.0	.9	9.7	12.3
E	.1	.6	.6	6.2	.2	1.9	.1	1.3	.1	1.3	.0	.2	.0	.1	1.1	11.5	12.1
ESE	.1	.6	.4	4.2	.1	1.4	.2	1.5	.1	.8	.0	.3	.0	.1	.9	8.9	12.4
SE	.0	.4	.3	2.9	.1	1.0	.1	1.0	.1	.6	.0	.1	.0	.0	.6	6.0	12.3
SSE	.0	.3	.3	3.0	.1	.9	.1	1.1	.1	.6	.0	.1	.0	.0	.6	6.1	12.4
S	.0	.2	.2	2.1	.1	.8	.0	.3	.0	.1	.0	.0	.0	.0	.3	3.5	10.4
SSW	.0	.2	.1	1.0	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.1	1.5	9.7
SW	.0	.2	.1	.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.2	7.6
WSW	.0	.3	.1	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.3	7.6
W	.1	.6	.1	1.0	.0	.1	.0	.2	.0	.2	.0	.1	.0	.0	.2	2.2	10.2
WNW	.0	.3	.2	1.8	.1	.8	.1	1.0	.1	1.2	.0	.3	.0	.2	.6	5.7	15.7
NW	.0	.1	.3	2.6	.1	1.2	.1	1.4	.2	2.2	.2	1.7	.1	.6	.9	9.7	18.1
NNW	.0	.2	.2	2.4	.1	1.5	.2	2.0	.2	2.4	.1	.9	.0	.2	.9	9.6	17.0
CALM	.3	2.7													.3	2.7	
TOTAL	.8	7.9	4.1	41.4	1.5	15.3	1.5	15.2	1.4	13.9	.5	4.7	.1	1.5	9.8	100	13.3

CEILING-VISIBILITY

BIS BISMARCK, ND

CLASS 2 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BIS BISMARCK, ND

PERIOD: 1948-1978

CLASS 2 / NIGHT

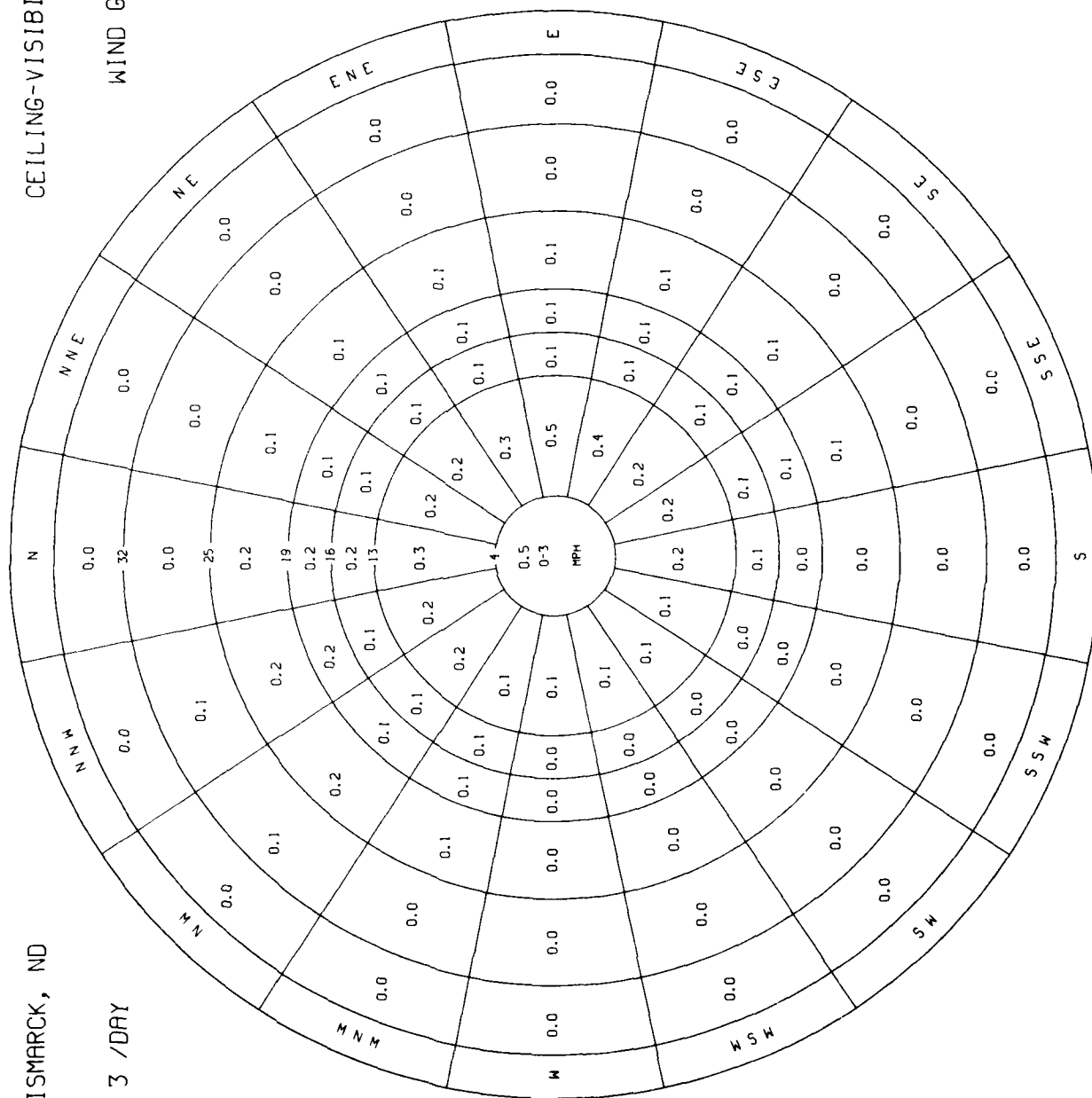
STATION NUMBER: 24011

NO. OBS.: 4696

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.0	.3	.3	3.0	.2	1.4	.2	1.5	.1	1.1	.0	.2	.0	.1	.9	7.6	13.9
NNE	.0	.2	.3	2.9	.1	.9	.1	1.0	.1	.5	.0	.2	.0	.1	.7	5.8	13.0
NE	.1	.5	.4	3.7	.1	.8	.1	.6	.0	.3	.0	.1	.0	.1	.7	6.1	10.9
ENE	.1	.9	.6	4.8	.1	1.1	.1	.9	.1	.9	.0	.1	.0	.0	1.0	8.6	10.9
E	.1	1.0	.8	6.9	.2	2.0	.2	1.5	.1	.8	.0	.3	.0	.0	1.5	12.6	11.2
ESE	.1	.6	.5	4.5	.1	1.1	.1	1.1	.1	.4	.0	.1	.0	.0	.9	7.9	10.9
SE	.0	.4	.3	2.7	.1	1.0	.1	.9	.1	.5	.0	.1	.0	.0	.6	5.5	11.8
SSE	.0	.3	.4	3.3	.1	1.1	.1	.7	.0	.4	.0	.0	.0	.0	.7	5.8	11.6
S	.0	.3	.2	2.1	.0	.4	.0	.4	.0	.1	.0	.0	.0	.0	.4	3.3	9.9
SSW	.0	.2	.1	1.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.5	8.0
SW	.0	.4	.1	.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.2	6.6
WSW	.1	.5	.1	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.5	6.2
W	.0	.3	.1	1.3	.0	.0	.0	.1	.0	.2	.0	.1	.0	.0	.2	2.1	10.3
WNW	.0	.3	.3	2.2	.1	.4	.1	.8	.1	.7	.0	.3	.0	.1	.6	4.9	14.0
NW	.0	.4	.3	2.5	.2	1.7	.2	1.9	.3	2.2	.1	1.2	.0	.4	1.2	10.3	17.1
NNW	.0	.3	.3	2.9	.1	1.1	.2	1.9	.3	2.3	.1	1.2	.0	.4	1.2	10.1	17.1
CALM	.6	5.2													.6	5.2	
TOTAL	1.4	12.1	5.2	45.2	1.6	13.4	1.6	13.4	1.2	10.4	.5	4.1	.2	1.4	11.6	100	12.0

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BIS BISMARCK, ND

PERIOD: 1948-1978

CLASS 3 / DAY

STATION NUMBER: 24011

NO. OBS.: 4160

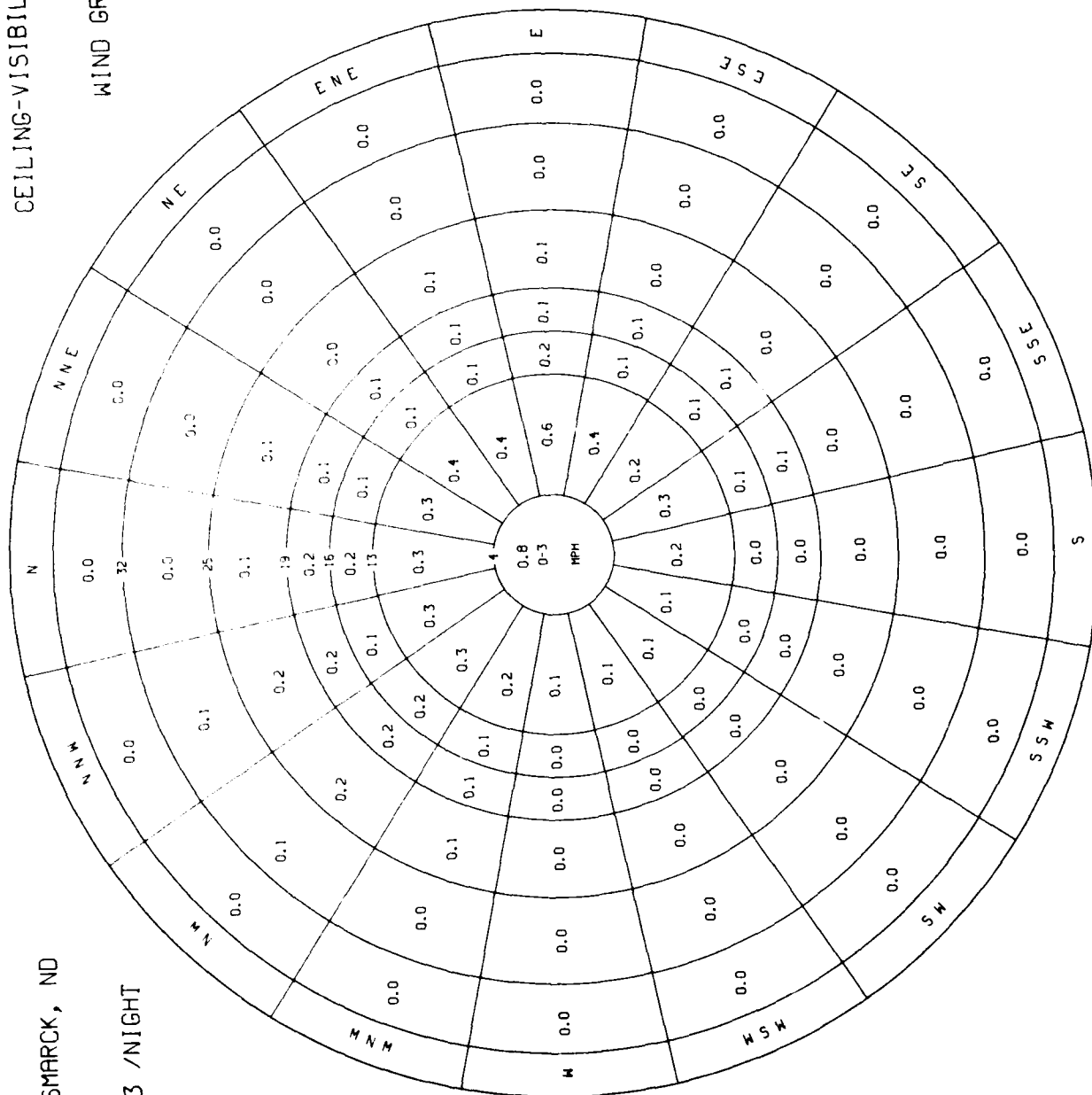
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.0	.2	.3	3.1	.2	2.1	.2	2.0	.2	1.8	.0	.4	.0	.0	.8	9.7	14.8
NNE	.0	.2	.2	2.4	.1	1.0	.1	1.4	.1	1.0	.0	.3	.0	.0	.5	6.2	14.1
NE	.0	.4	.2	2.7	.1	1.1	.1	.8	.1	.7	.0	.1	.0	.0	.5	5.8	12.7
ENE	.0	.5	.3	4.1	.1	1.6	.1	1.4	.1	1.1	.0	.2	.0	.0	.7	8.9	12.6
E	.0	.3	.5	5.7	.1	1.8	.1	1.3	.1	1.3	.0	.1	.0	.1	.9	10.6	12.4
ESE	.0	.5	.4	4.2	.1	1.3	.1	1.8	.1	.9	.0	.2	.0	.1	.7	8.9	12.7
SE	.0	.3	.2	2.8	.1	1.2	.1	1.1	.1	.6	.0	.2	.0	.0	.5	6.1	12.9
SSE	.0	.3	.2	2.8	.1	1.1	.1	1.3	.1	.7	.0	.1	.0	.0	.5	6.3	13.1
S	.0	.2	.2	2.1	.1	.8	.0	.3	.0	.1	.0	.0	.0	.0	.3	3.6	10.6
SSW	.0	.1	.1	1.1	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.1	1.6	9.3
SW	.0	.2	.1	.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.2	7.7
WSW	.0	.3	.1	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.2	7.9
W	.0	.4	.1	1.0	.0	.2	.0	.2	.0	.3	.0	.1	.0	.0	.2	2.2	11.2
WNW	.0	.2	.1	1.8	.1	.9	.1	1.2	.1	1.4	.0	.4	.0	.2	.5	5.9	16.0
NW	.0	.1	.2	2.7	.1	1.4	.1	1.5	.2	2.3	.1	1.5	.0	.4	.8	10.0	17.6
NNW	.0	.2	.2	2.6	.1	1.7	.2	2.2	.2	2.4	.1	.7	.0	.0	.8	9.9	16.2
CALM	.2	1.9													.2	1.9	
TOTAL	.5	6.3	3.4	40.9	1.4	16.4	1.4	16.6	1.2	14.6	.4	4.3	.1	1.0	8.3	100	13.5

CEILING-VISIBILITY

WIND GRAPH

BIS BISMARCK, ND

CLASS 3 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: BIS BISMARCK, ND

CLASS 3 / NIGHT

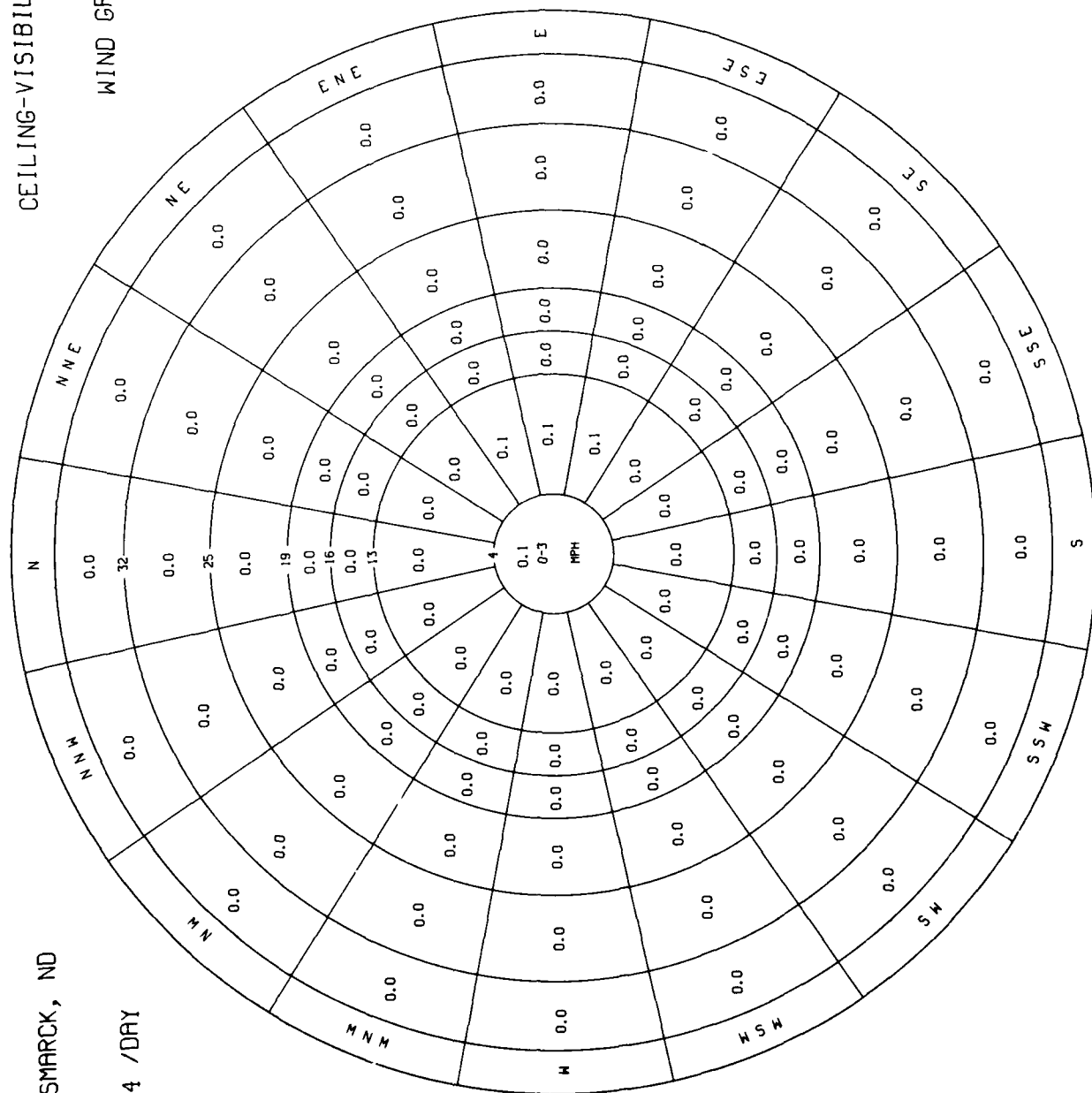
NO. OBS.: 3839

STATION NUMBER: 24011

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
																C	D	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D	
N	.0	.3	.3	3.2	.2	1.7	.2	1.8	.1	1.2	.0	.2	.0	.1	.8	8.5	13.9	
NNE	.0	.2	.3	3.0	.1	1.1	.1	1.2	.1	.6	.0	.2	.0	.1	.6	6.4	13.1	
NE	.0	.4	.4	3.7	.1	.8	.1	.7	.0	.3	.0	.1	.0	.0	.6	6.0	10.6	
ENE	.1	.7	.4	4.6	.1	1.1	.1	1.0	.1	1.0	.0	.1	.0	.0	.8	8.5	11.5	
E	.1	.6	.6	6.8	.2	2.1	.1	1.4	.1	.7	.0	.2	.0	.0	1.1	11.8	11.4	
ESE	.0	.3	.4	4.0	.1	1.4	.1	1.2	.0	.5	.0	.1	.0	.0	.7	7.5	11.6	
SE	.0	.3	.2	2.5	.1	1.0	.1	.9	.0	.5	.0	.1	.0	.0	.5	5.4	12.3	
SSE	.0	.2	.3	3.2	.1	1.1	.1	.8	.0	.4	.0	.1	.0	.0	.5	5.7	12.1	
S	.0	.3	.2	1.7	.0	.4	.0	.4	.0	.2	.0	.0	.0	.0	.3	3.1	10.5	
SSW	.0	.2	.1	1.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1	1.4	8.3	
SW	.0	.2	.1	.6	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1	.9	7.5	
WSW	.0	.4	.1	.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.3	6.8	
W	.0	.2	.1	1.2	.0	.1	.0	.2	.0	.2	.0	.1	.0	.0	.2	2.0	11.0	
WNW	.0	.3	.2	2.5	.1	.5	.1	.9	.1	.8	.0	.3	.0	.1	.5	5.4	13.7	
NW	.0	.3	.3	2.8	.2	2.0	.2	2.2	.2	2.5	.1	1.2	.0	.4	1.1	11.5	17.0	
NNW	.0	.3	.3	3.3	.1	1.3	.2	2.1	.2	2.6	.1	1.3	.0	.3	1.0	11.1	16.7	
CALM	.3	3.4													.3	3.4		
TOTAL	.8	8.6	4.3	45.0	1.4	15.0	1.4	15.0	1.1	11.4	.4	3.9	.1	1.1	9.5	100	12.6	

WIND GRAPH

CLASS 4 / DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: BIS BISMARCK, ND

CLASS 4 / DAY

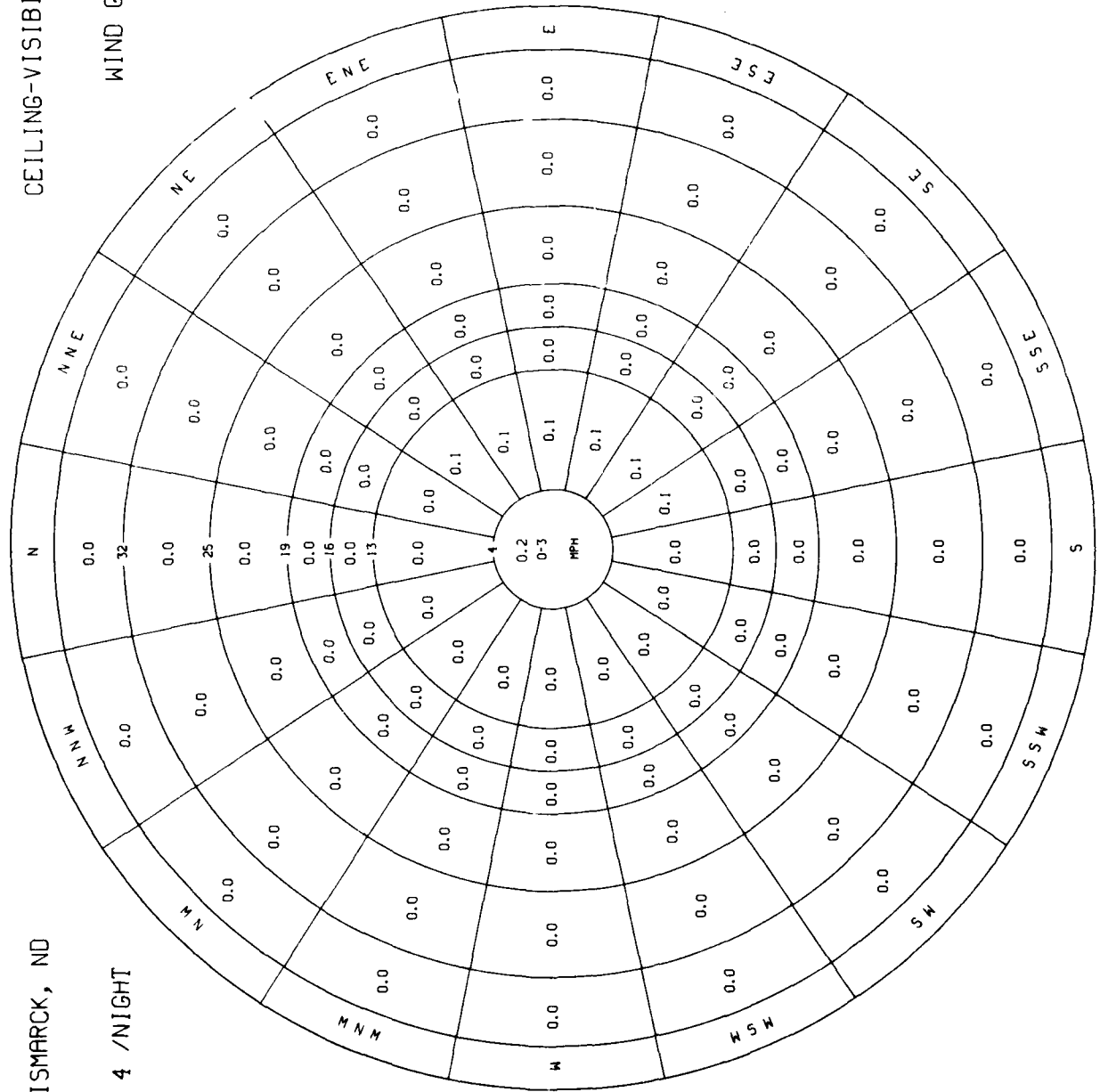
NO. OBS.: 562

STATION NUMBER: 24011

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D
N	.0	.0	.0	3.0	.0	.2	.0	1.6	.0	1.1	.0	.4	.0	.2	.1	6.4	14.6
NNE	.0	.4	.0	1.2	.0	.7	.0	.7	.0	.9	.0	.2	.0	.0	.0	4.1	14.0
NE	.0	.5	.0	1.6	.0	.2	.0	.4	.0	1.2	.0	.4	.0	.0	.0	4.3	13.4
ENE	.0	.5	.1	6.8	.0	2.8	.0	2.0	.0	1.6	.0	.4	.0	.0	.2	14.1	12.4
E	.0	.7	.1	9.4	.0	3.0	.0	1.6	.0	1.4	.0	.5	.0	.0	.2	16.7	11.8
ESE	.0	.9	.1	4.4	.0	2.3	.0	.4	.0	.5	.0	.4	.0	.0	.1	8.9	11.0
SE	.0	1.1	.0	2.8	.0	.5	.0	.4	.0	.2	.0	.0	.0	.0	.1	5.0	8.6
SSE	.0	.7	.0	4.3	.0	.2	.0	.5	.0	.0	.0	.0	.0	.0	.1	5.7	8.6
S	.0	.2	.0	2.3	.0	.7	.0	.2	.0	.0	.0	.0	.0	.0	.0	3.4	9.3
SSW	.0	.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	.2	.0	.2	.0	.9	17.0
SW	.0	.2	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	7.2
WSW	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	6.7
W	.0	.7	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	5.3
WNW	.0	.2	.0	2.1	.0	.5	.0	.4	.0	.2	.0	.0	.0	.4	.0	3.7	12.4
NW	.0	.0	.0	2.1	.0	.4	.0	.9	.0	1.8	.0	2.8	.0	1.2	.1	9.3	21.8
NNW	.0	.2	.0	1.8	.0	.2	.0	.7	.0	3.2	.0	1.8	.0	.5	.1	8.4	20.1
CALM	.1	4.8													.1	4.8	
TOTAL	.1	11.4	.5	45.7	.1	11.7	.1	9.6	.1	12.1	.1	6.9	.0	2.5	1.1	100	12.6

BIS BISMARCK, ND

CLF:SS 4 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: BIS BISMARCK, ND

CLASS 4 / NIGHT

NO. OBS.: 525

STATION NUMBER: 24011

D I R	SPEED GROUPS (MPH)																					AVG WIND SPEED			
	0-3			4-12			13-15			16-18			19-24			25-31			32+				TOTAL		
	A	B		A	B		A	B		A	B		A	B		A	B		A	B			C	D	
N	.0	.4		.0	2.7		.0	.2		.0	.5		.0	.8		.0	.2		.0	.2		.1	5.0		13.2
NNE	.0	.2		.0	2.5		.0	.2		.0	.2		.0	.4		.0	.0		.0	.0		.0	3.4		9.9
NE	.0	.2		.1	4.2		.0	1.1		.0	.8		.0	.6		.0	.8		.0	.0		.1	7.6		12.6
ENE	.0	.8		.1	4.8		.0	1.0		.0	.8		.0	.8		.0	.0		.0	.0		.1	8.0		10.5
E	.0	2.1		.1	8.2		.0	2.5		.0	2.5		.0	1.7		.0	.8		.0	.0		.2	17.7		11.4
ESE	.0	1.1		.1	6.5		.0	.2		.0	.8		.0	.4		.0	.4		.0	.0		.1	9.3		9.9
SE	.0	.6		.1	4.4		.0	.8		.0	.8		.0	.6		.0	.2		.0	.0		.1	7.2		11.1
SSE	.0	.2		.1	4.2		.0	1.9		.0	.6		.0	.2		.0	.0		.0	.0		.1	4.8		8.7
S	.0	.2		.0	3.8		.0	.4		.0	.4		.0	.0		.0	.0		.0	.0		.0	2.1		7.8
SSW	.0	.0		.0	2.1		.0	.0		.0	.0		.0	.0		.0	.0		.0	.0		.0	1.7		5.9
SW	.0	1.0		.0	.6		.0	.2		.0	.0		.0	.0		.0	.0		.0	.0		.0	1.7		5.1
WSW	.0	.8		.0	1.0		.0	.0		.0	.0		.0	.0		.0	.0		.0	.0		.0	1.9		6.7
W	.0	.6		.0	1.3		.0	.0		.0	.0		.0	.0		.0	.4		.0	.4		.0	2.9		20.4
WNW	.0	.2		.0	.4		.0	.0		.0	.8		.0	.8		.0	.8		.0	.4		.1	6.1		18.5
NW	.0	.6		.0	1.1		.0	.6		.0	.8		.0	1.1		.0	1.5		.0	.4		.1	6.5		18.6
NNW	.0	.2		.0	1.9		.0	.4		.0	1.1		.0	1.1		.0	1.1		.0	.6		.1	7.0		11.1
CALM	.1	7.0					.1	9.3		.1	9.9		.1	8.4		.1	5.3		.0	1.5		1.3	100		
TOTAL	.2	16.0		.6	49.5					.1	9.3		.1	9.9		.1	5.3		.0	1.5		1.3	100		

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BIS BISMARCK, ND

PERIOD: 1948-1978

CLASS 5 / DAY

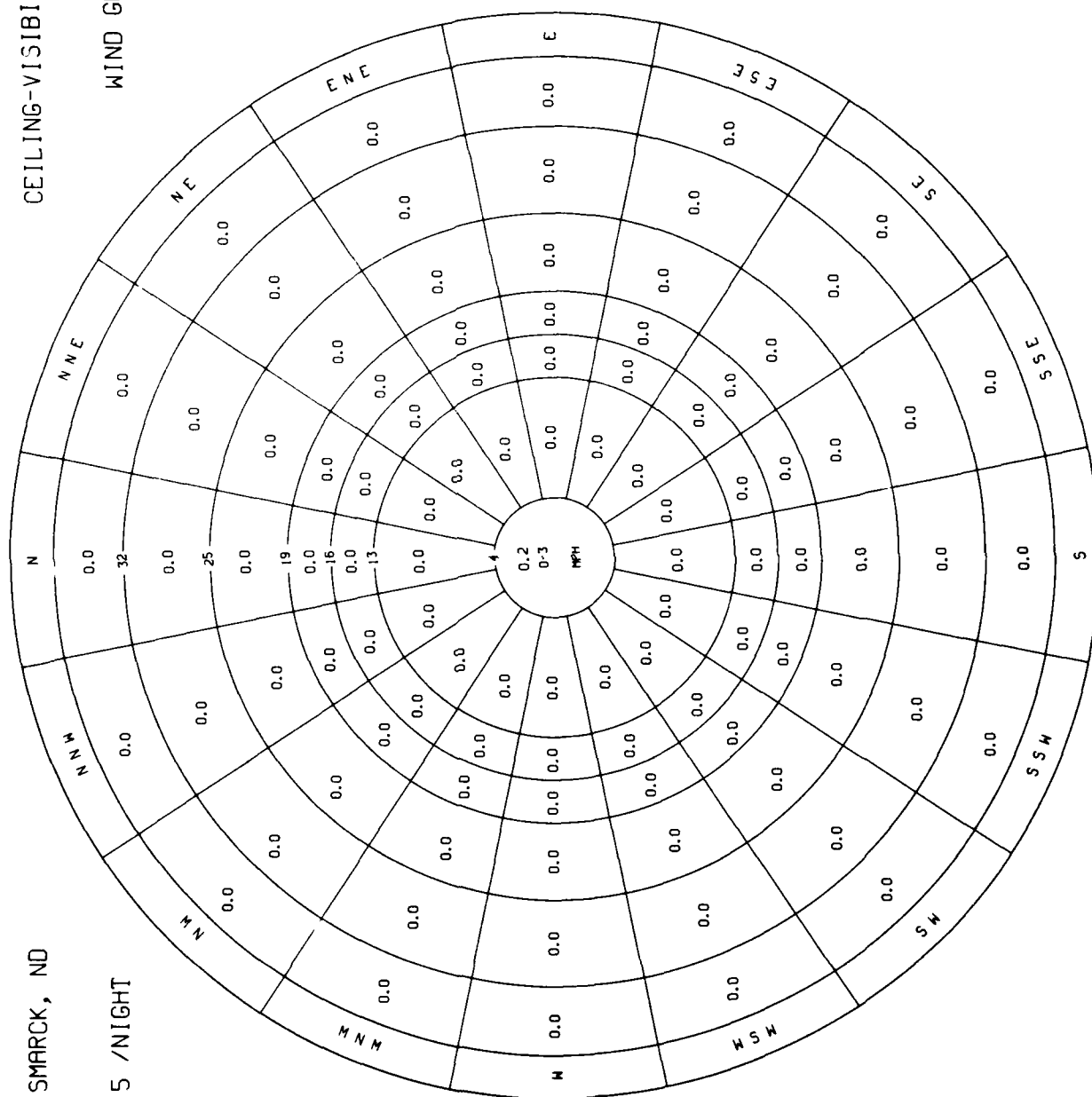
STATION NUMBER: 24011

NO. OBS.: 98

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.0	.0	1.0	.0	.0	.0	1.0	.0	1.0	.0	.0	.0	.0	.0 3.1
NNE	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.0
N	.0	.0	.0	1.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0 2.0
ENE	.0	7.1	.0	8.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 15.3
E	.0	5.1	.0	5.1	.0	1.0	.0	2.0	.0	2.0	.0	1.0	.0	.0	.0 16.3
ESE	.0	.0	.0	2.0	.0	2.0	.0	.0	.0	.0	.0	2.0	.0	.0	.0 6.1
SE	.0	.0	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.1
SSE	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.0
S	.0	.0	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.1
SSW	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.0
SW	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.0
WSW	.0	1.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.1
W	.0	5.1	.0	1.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0 7.1
WNW	.0	1.0	.0	3.1	.0	1.0	.0	.0	.0	.0	.0	2.0	.0	.0	.0 9.2
NW	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	3.1	.0	1.0	.0 5.1
NNW	.0	.0	.0	2.0	.0	.0	.0	.0	.0	1.0	.0	3.1	.0	1.0	.0 7.1
CALM	.0	13.3													.0 13.3
TOTAL	.1	34.7	.1	36.7	.0	4.1	.0	3.1	.0	6.1	.0	11.2	.0	4.1	.2 100

CEILING-VISIBILITY

WIND GRAPH



BIS BISMARCK, ND

CLASS 5 /NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: BIS BISMARCK, ND

CLASS 5 / NIGHT

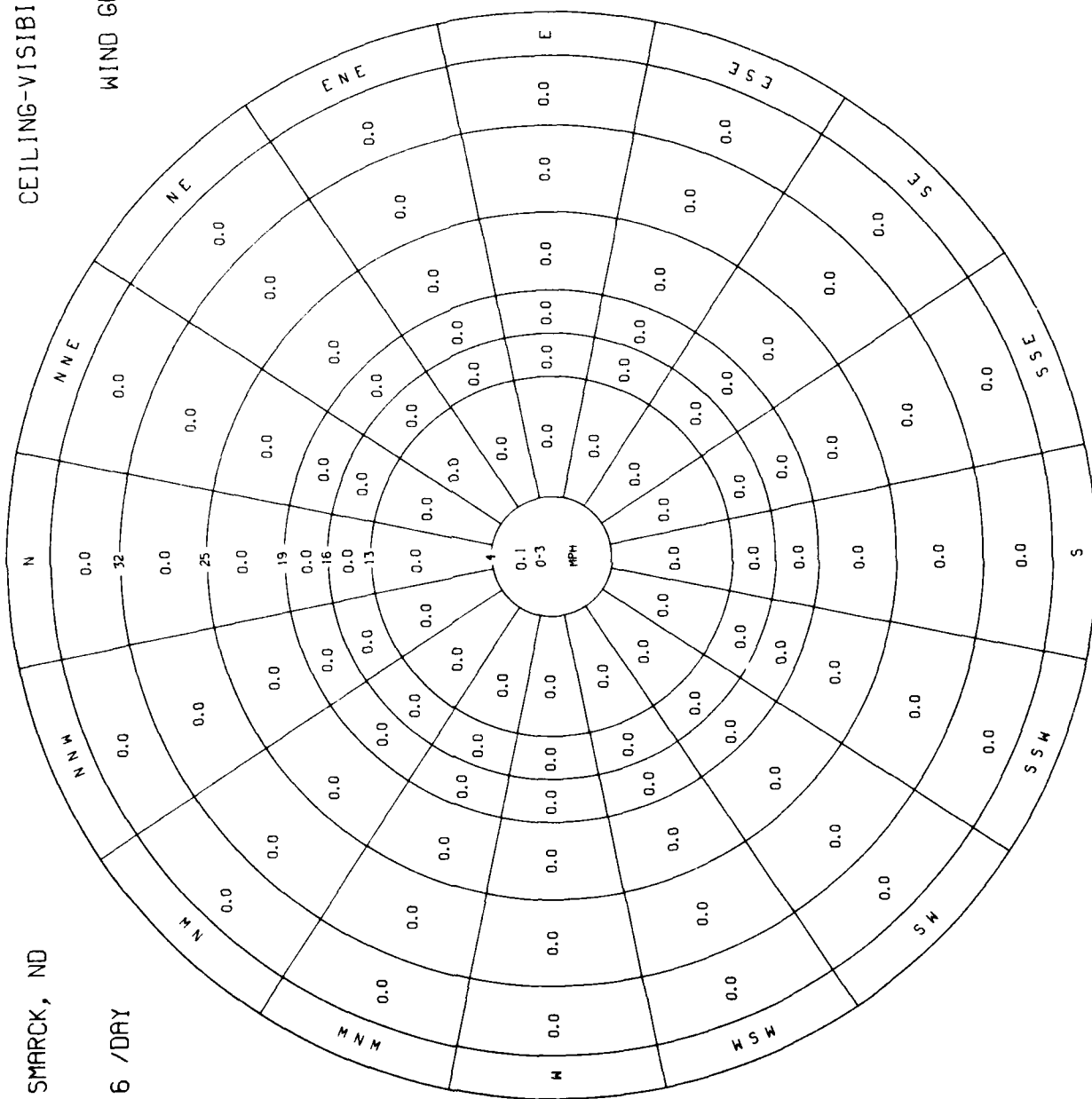
NO. OBS.: 187

STATION NUMBER: 24011

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.5	26.0
NNE	.0	1.1	.0	.5	.0	.0	.0	.0	.0	.5	.0	.0	.0	.5	.0	2.7	12.6
NE	.0	1.6	.0	2.7	.0	.0	.0	.0	.0	.0	.0	.5	.0	.5	.0	5.3	10.5
ENE	.0	2.1	.0	7.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.6	6.5
E	.0	3.7	.0	8.6	.0	1.6	.0	.5	.0	.0	.0	1.6	.0	.0	.1	16.0	9.1
ESE	.0	2.1	.0	5.9	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	8.6	5.8
SE	.0	1.1	.0	4.3	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.4	7.5
SSE	.0	2.1	.0	3.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.9	6.0
S	.0	1.1	.0	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.3	6.8
SSW	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	7.0
SW	.0	1.6	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	4.8
WSW	.0	1.6	.0	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	5.1
W	.0	1.6	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	3.2	9.3
WNW	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.5	.0	.5	.0	1.6	22.7
NW	.0	.5	.0	1.1	.0	.0	.0	.0	.0	.5	.0	2.1	.0	.0	.0	4.3	18.0
NNW	.0	.5	.0	.0	.0	.0	.0	.0	.0	1.6	.0	.5	.0	.5	.0	3.2	21.3
CALM	.1	19.3													.1	19.3	
TOTAL	.2	40.1	.2	44.4	.0	3.2	.0	1.1	.0	2.7	.0	5.9	.0	2.7	.5	100	7.4

CEILING-VISIBILITY

WIND GRAPH



BIS BISMARCK, ND

CLASS 6 /DAY

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: BIS BISMARCK, ND

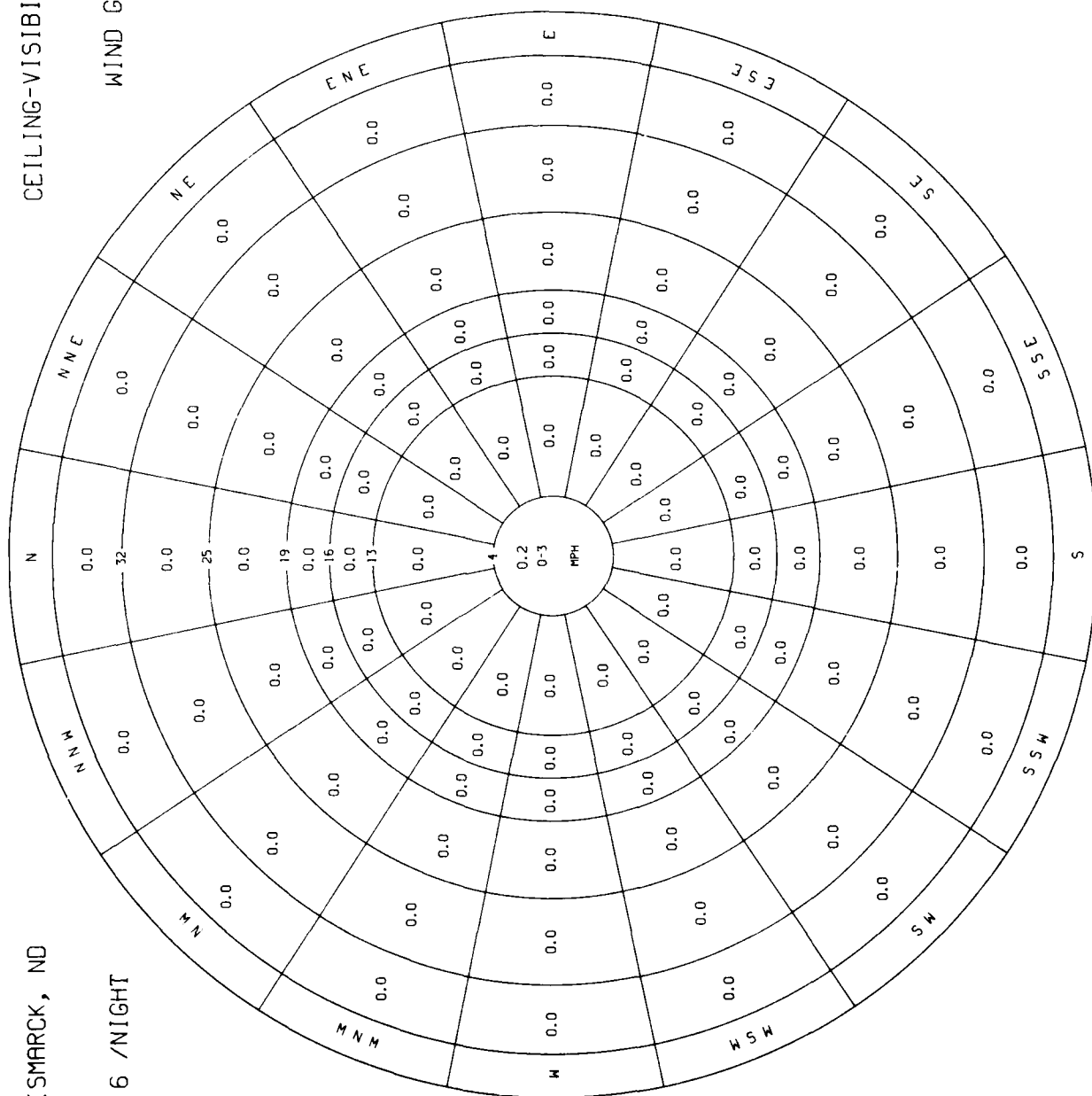
CLASS 6 / DAY

NO. OBS.: 86

STATION NUMBER: 24011

D I R	SPEED GROUPS (MPH)																AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL			
															A	B		
																		C
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	.0	4.7	.0	7.0	32.7	
NNE	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	5.0	
NNE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	.0	2.3	40.0
ENE	.0	1.2	.0	9.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	.0	11.6	9.9
E	.0	5.8	.0	10.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	16.3	5.8
ESE	.0	3.5	.0	5.8	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.5	5.9
SE	.0	1.2	.0	5.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.0	5.8
SSE	.0	.0	.0	4.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.7	5.2
S	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	5.0
SSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	3.0
WSW	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	9.0
W	.0	1.2	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	5.0
WNW	.0	3.5	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.7	3.0
NW	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	.0	3.5	25.0
NNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	.0	.0	.0	7.0	.0	8.1	33.6
CALM	.0	16.3														.0	16.3	
TOTAL	.1	33.7	.1	44.2	.0	1.2	.0	.0	.0	.0	1.2	.0	2.3	.0	17.4	.2	100	10.8

CEILING-VISIBILITY
WIND GRAPH



BIS BISMARCK, ND
CLASS 6 /NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BIS BISMARCK, ND

PERIOD: 1948-1978

CLASS 6 / NIGHT

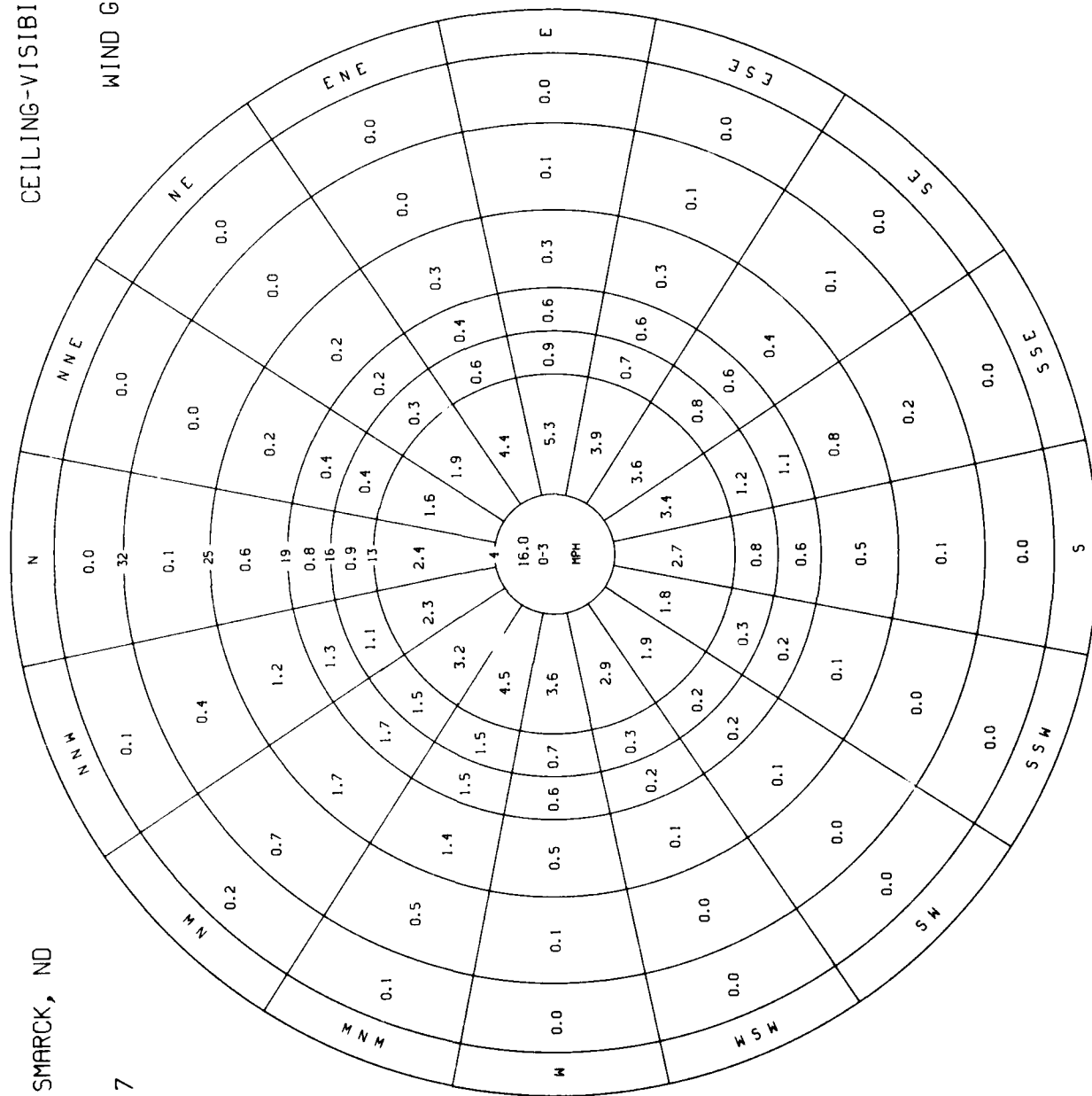
STATION NUMBER: 24011

NO. OBS.: 145

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.7	.0	.7	.0 2.1 25.0
NNE	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.7	.0	.7	.0 3.4 18.0
NNE	.0	1.4	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0 3.4 11.4
ENE	.0	4.1	.0	7.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 11.7 4.8
E	.0	4.8	.0	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0 9.7 7.2
ESE	.0	3.4	.0	8.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 11.7 5.8
SE	.0	1.4	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.8 4.0
SSE	.0	.7	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.8 6.5
S	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.4 5.0
SSW	.0	2.1	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.8 4.2
SW	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.8 2.7
WSW	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.1 2.3
W	.0	.7	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.8 5.7
WNW	.0	2.1	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.1 4.7
NW	.0	.7	.0	.7	.0	.0	.0	.7	.0	.0	.0	.0	.0	.7	.0 2.8 15.5
NNW	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	1.4	.0	2.8	.0 4.8 29.6
CALM	.1	29.0													.1 29.0
TOTAL	.2	55.2	.1	35.2	.0	.0	.0	.7	.0	.0	.0	2.8	.0	6.2	.4 100 6.3

CEILING-VISIBILITY

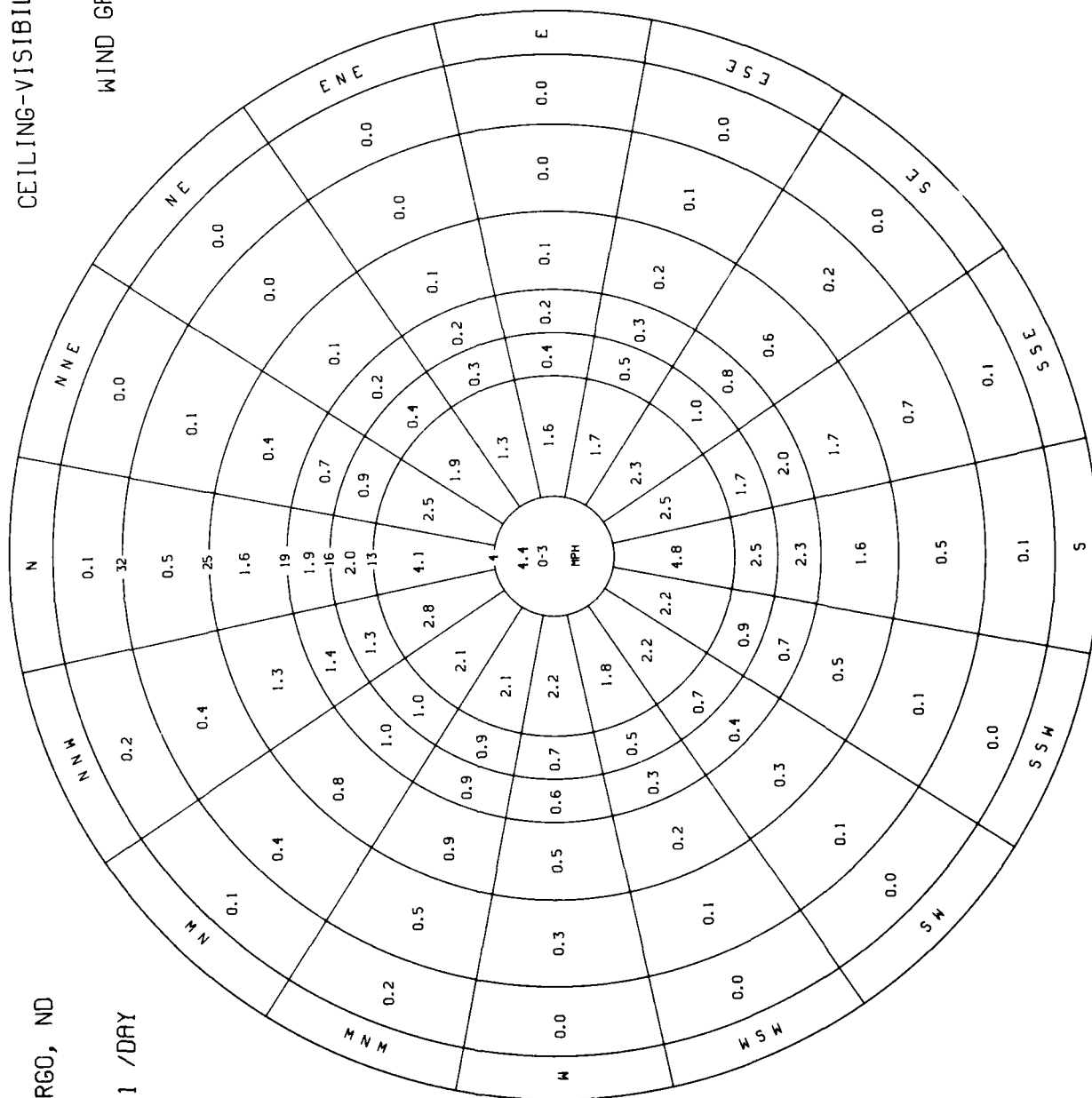
WIND GRAPH



BIS BISMARCK, ND

CLASS 7

CEILING-VISIBILITY WIND GRAPH



FAR FARGO, ND
CLASS 1 / DAY

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: FAR FARGO, ND

PERIOD: 1948-1978

CLASS 1 / DAY

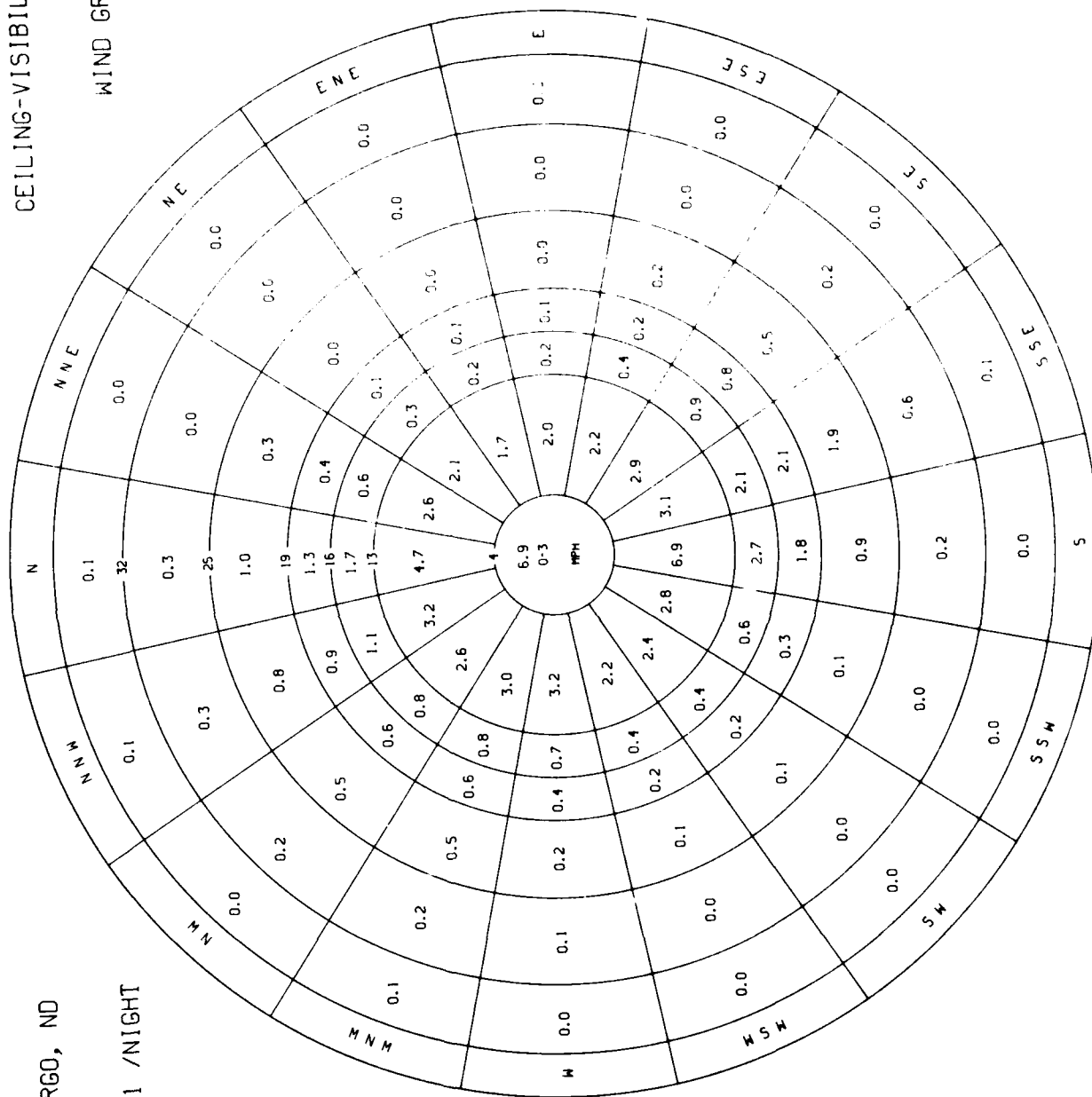
STATION NUMBER: 14914

NO. OBS.: 42300

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D
N	.3	.3	4.1	4.6	2.0	2.3	1.9	2.1	1.6	1.9	.5	.6	.1	.1	10.4	11.8	14.2
NNE	.2	.2	2.5	2.9	.9	1.1	.7	.7	.4	.5	.1	.1	.0	.0	4.8	5.5	12.2
NE	.2	.3	1.9	2.1	.4	.5	.2	.2	.1	.1	.0	.0	.0	.0	2.9	3.3	10.0
ENE	.1	.1	1.3	1.5	.3	.3	.2	.2	.1	.1	.0	.0	.0	.0	2.0	2.3	10.2
E	.2	.2	1.6	1.8	.4	.4	.2	.2	.1	.1	.0	.0	.0	.0	2.5	2.8	10.1
ESE	.1	.2	1.7	2.0	.5	.6	.3	.4	.2	.3	.1	.1	.0	.0	3.0	3.4	11.5
SE	.2	.2	2.3	2.6	1.0	1.2	.8	.9	.6	.7	.2	.3	.0	.0	5.1	5.8	13.3
SSE	.1	.1	2.5	2.8	1.7	2.0	2.0	2.3	1.7	2.0	.7	.8	.1	.2	8.9	10.1	16.0
S	.2	.3	4.8	5.4	2.5	2.9	2.3	2.6	1.6	1.8	.5	.6	.1	.1	12.0	13.7	14.0
SSW	.2	.2	2.2	2.5	.9	1.0	.7	.8	.5	.5	.1	.2	.0	.0	4.5	5.2	12.8
SW	.2	.2	2.2	2.5	.7	.7	.4	.5	.3	.3	.1	.1	.0	.0	3.7	4.3	11.4
WSW	.2	.2	1.8	2.0	.5	.6	.3	.4	.2	.3	.1	.1	.0	.0	3.1	3.6	11.5
W	.2	.2	2.2	2.5	.7	.8	.6	.6	.5	.6	.3	.3	.0	.1	4.6	5.2	13.0
WNW	.2	.2	2.1	2.4	.9	1.0	.9	1.1	.9	1.0	.5	.6	.2	.2	5.6	6.4	15.2
NW	.2	.2	2.1	2.3	1.0	1.1	1.0	1.1	.8	.9	.4	.5	.1	.1	5.6	6.3	14.8
NNW	.2	.2	2.8	3.1	1.3	1.5	1.4	1.6	1.3	1.5	.4	.5	.2	.2	7.6	8.6	14.9
CALM	1.4	1.6													1.4	1.6	
TOTAL	4.4	5.0	38.1	43.3	15.7	17.8	13.8	15.7	11.0	12.5	4.1	4.6	.9	1.0	87.9	100	13.3

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: FAR FARGO, ND

PERIOD: 1948-1978

CLASS 1 / NIGHT

STATION NUMBER: 14914

NO. OBS.: 37460

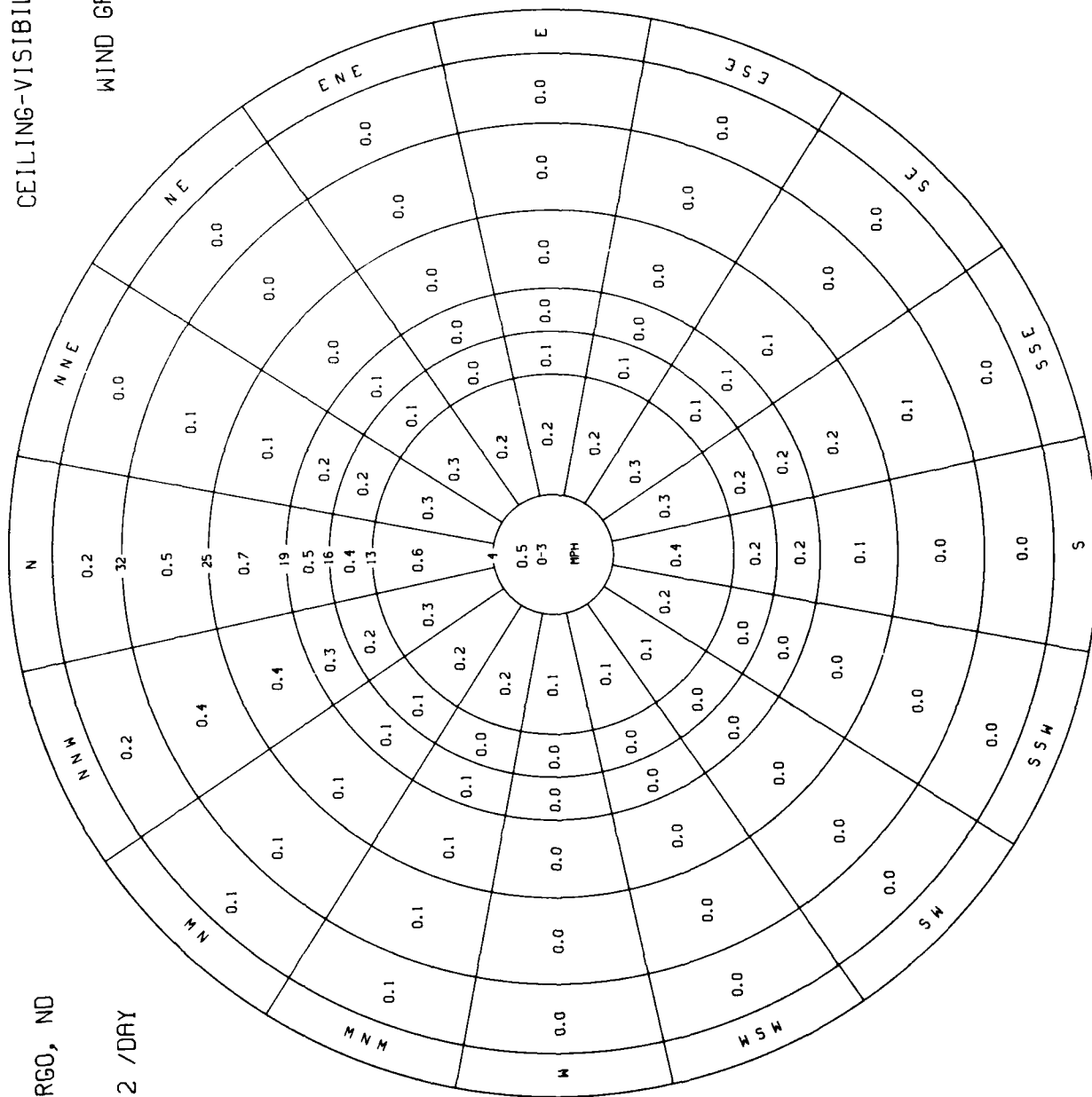
D I R	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.4	.4	4.7	5.4	1.7	1.9	1.3	1.5	1.0	1.1	.3	.3	.1	.1	9.4	10.7	12.4
NNE	.3	.3	2.6	2.9	.6	.7	.4	.5	.3	.3	.0	.1	.0	.0	4.2	4.8	10.6
NE	.3	.3	2.1	2.4	.3	.3	.1	.1	.0	.1	.0	.0	.0	.0	2.8	3.2	8.5
ENE	.2	.2	1.7	1.9	.2	.2	.1	.1	.0	.1	.0	.0	.0	.0	2.2	2.5	8.6
E	.3	.4	2.0	2.3	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	2.8	3.2	8.5
ESE	.2	.2	2.2	2.5	.4	.5	.2	.3	.2	.2	.0	.0	.0	.0	3.2	3.7	10.2
SE	.2	.2	2.9	3.3	.9	1.1	.8	.9	.5	.5	.2	.2	.0	.0	5.6	6.3	12.3
SSE	.2	.2	3.1	3.6	2.1	2.4	2.1	2.4	1.9	2.1	.6	.6	.1	.1	10.0	11.4	15.2
S	.3	.4	6.9	7.8	2.7	3.1	1.8	2.1	.9	1.0	.2	.2	.0	.0	12.8	14.5	11.9
SSW	.2	.2	2.8	3.1	.6	.7	.3	.3	.1	.1	.0	.0	.0	.0	3.9	4.4	9.8
SW	.2	.2	2.4	2.8	.4	.5	.2	.2	.1	.1	.0	.0	.0	.0	3.3	3.8	9.2
WSW	.2	.3	2.2	2.5	.4	.5	.2	.2	.1	.1	.0	.0	.0	.0	3.2	3.6	9.5
W	.3	.3	3.2	3.6	.7	.8	.4	.4	.2	.2	.1	.1	.0	.0	4.9	5.5	10.5
WNW	.3	.3	3.0	3.4	.8	.9	.6	.7	.5	.5	.2	.2	.1	.1	5.5	6.2	12.0
NW	.2	.3	2.6	2.9	.8	.9	.6	.6	.5	.5	.2	.2	.0	.0	4.9	5.5	12.4
NNW	.3	.3	3.2	3.6	1.1	1.2	.9	1.1	.8	.9	.3	.3	.1	.1	6.6	7.5	12.9
CALM	2.9	3.3													2.9	3.3	
TOTAL	6.9	7.8	47.7	54.1	14.1	15.9	10.1	11.5	7.0	7.9	2.0	2.3	.4	.4	88.2	100	11.3

CEILING-VISIBILITY

WIND GRAPH

FAR FARGO, ND

CLASS 2 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: FAR FARGO, ND

CLASS 2 / DAY

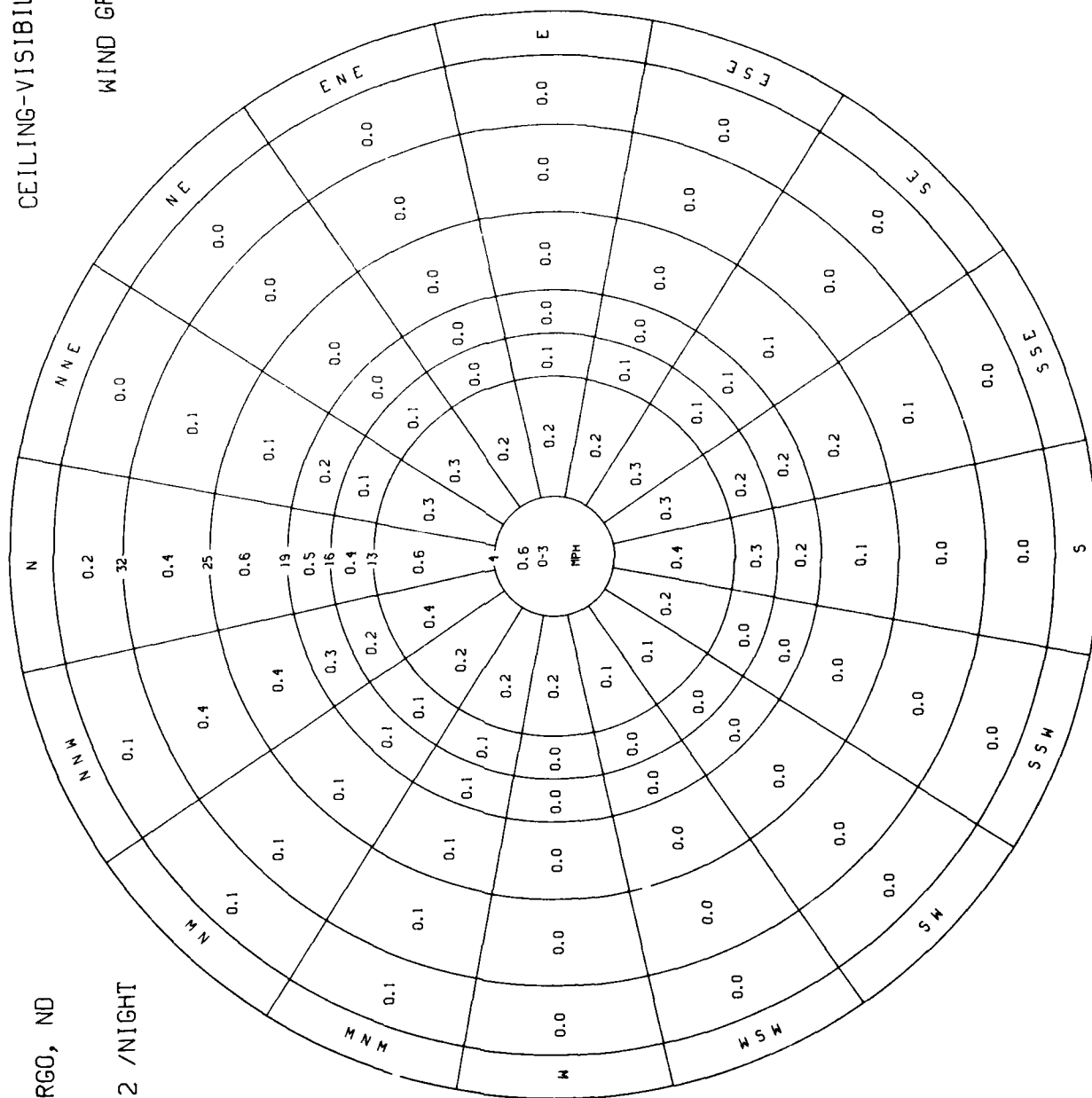
NO. OBS.: 5811

STATION NUMBER: 14914

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.0	.1	.6	4.6	.4	3.4	.5	3.9	.7	5.4	.5	3.9	.2	1.3	2.7	22.6	18.9
NNE	.0	.2	.3	2.9	.2	1.6	.2	1.4	.1	1.2	.1	.6	.0	.1	1.0	7.9	14.9
NENE	.0	.3	.3	2.4	.1	.7	.1	.4	.0	.2	.0	.0	.0	.0	.5	4.1	10.8
ENE	.0	.1	.2	1.7	.0	.3	.0	.2	.0	.2	.0	.1	.0	.0	.3	2.6	10.8
E	.0	.2	.2	1.9	.1	.4	.0	.3	.0	.3	.0	.0	.0	.0	.4	3.1	11.2
ESE	.0	.1	.2	2.0	.1	.6	.0	.4	.0	.3	.0	.1	.0	.0	.4	3.5	11.9
SE	.0	.2	.3	2.7	.1	.7	.1	.9	.1	.7	.0	.2	.0	.1	.7	5.4	13.3
SSE	.0	.1	.3	2.3	.2	1.6	.2	1.8	.2	1.6	.1	.7	.0	.1	1.0	8.2	16.0
S	.0	.1	.4	3.6	.2	1.8	.2	1.5	.1	.8	.0	.2	.0	.0	1.0	8.2	13.4
SSW	.0	.1	.2	1.4	.0	.4	.0	.2	.0	.1	.0	.0	.0	.0	.3	2.3	10.6
SW	.0	.3	.1	.9	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.2	1.5	9.5
WSW	.0	.1	.1	.8	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.1	1.1	9.9
W	.0	.1	.1	1.2	.0	.3	.0	.3	.0	.2	.0	.1	.0	.1	.3	2.3	13.0
WNW	.0	.1	.2	1.3	.0	.4	.1	.5	.1	.6	.1	.5	.1	.5	.5	3.7	18.5
NW	.0	.2	.2	1.7	.1	.8	.1	1.1	.1	.9	.1	1.0	.1	.6	.8	6.2	17.8
NNW	.0	.2	.3	2.9	.2	2.0	.3	2.3	.4	3.6	.4	3.3	.2	1.5	1.9	15.7	20.2
CALM	.2	1.5													.2	1.5	
TOTAL	.5	3.9	4.1	34.2	1.8	15.3	1.9	15.3	2.0	16.2	1.3	10.8	.5	4.3	12.1	100	15.9

CEILING-VISIBILITY

WIND GRAPH



FAR FARGO, ND

CLASS 2 /NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: FAR FARGO, ND

PERIOD: 1948-1978

CLASS 2 / NIGHT

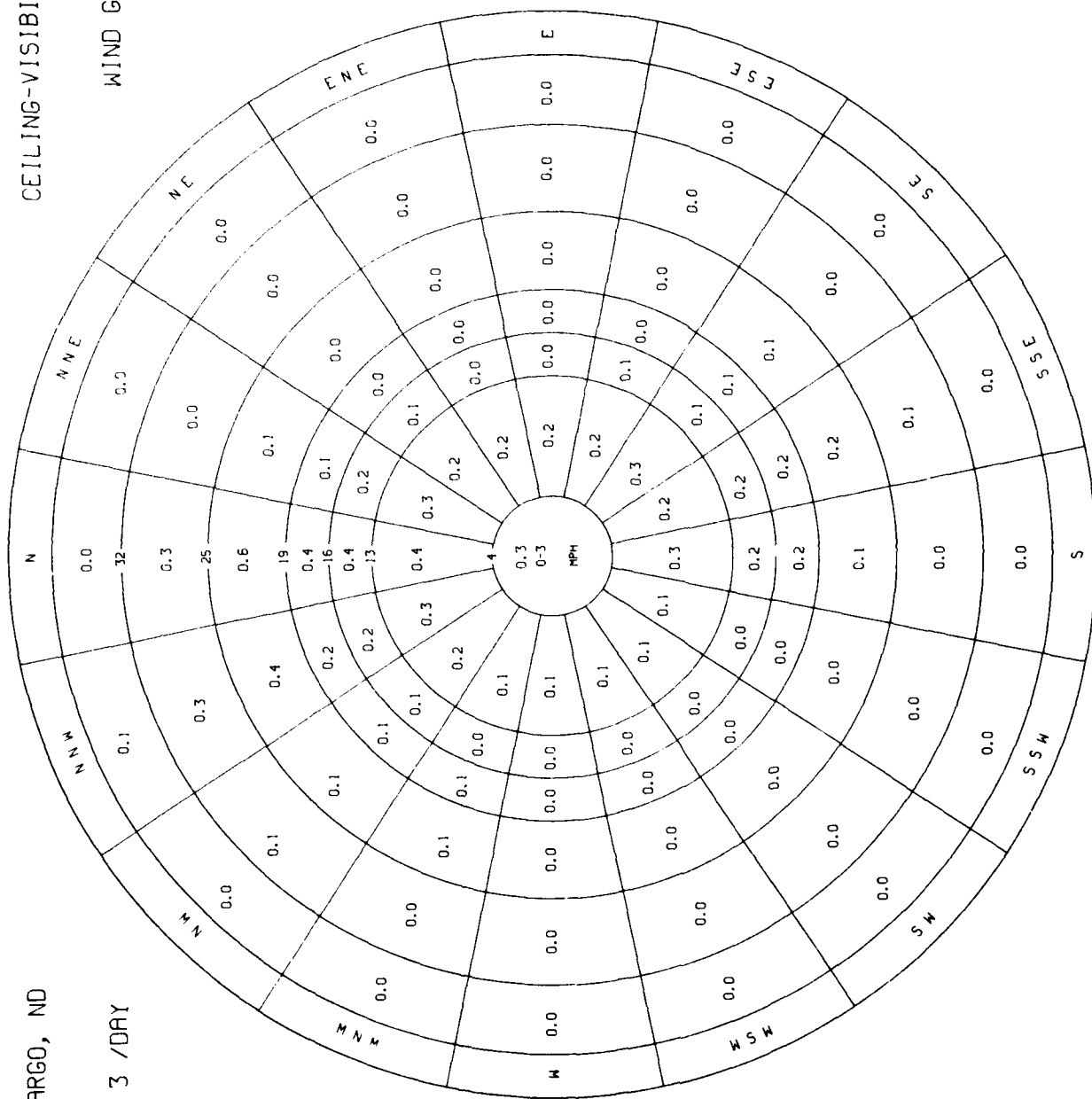
STATION NUMBER: 14914

NO. OBS.: 5006

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.3	.6	5.5	.4	3.2	.5	4.1	.6	4.7	.4	3.5	.2	1.3	2.7 22.6
NNE	.0	.3	.3	2.7	.1	1.1	.2	1.4	.1	1.2	.1	.6	.0	.2	.9 7.5
NNE	.0	.3	.3	2.3	.1	.5	.0	.4	.0	.3	.0	.1	.0	.0	.5 3.9
ENE	.0	.2	.2	1.7	.0	.4	.0	.3	.0	.1	.0	.0	.0	.0	.3 2.7
E	.0	.2	.2	1.9	.1	.6	.0	.3	.0	.1	.0	.0	.0	.0	.4 3.1
ESE	.0	.1	.2	1.8	.1	.6	.0	.4	.0	.2	.0	.1	.0	.0	.4 3.2
SE	.0	.1	.3	2.6	.1	1.0	.1	.5	.1	.6	.0	.2	.0	.0	.6 5.1
SSE	.0	.2	.3	2.6	.2	1.5	.2	2.0	.2	2.1	.1	.5	.0	.2	1.1 8.9
S	.0	.3	.4	3.6	.3	2.2	.2	1.4	.1	.8	.0	.2	.0	.0	1.0 8.4
SSW	.0	.2	.2	1.3	.0	.2	.0	.3	.0	.1	.0	.0	.0	.0	.3 2.2
SW	.0	.2	.1	1.2	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.2 1.6
WSW	.0	.1	.1	.7	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.1 1.1
W	.0	.3	.2	1.3	.0	.3	.0	.2	.0	.1	.0	.2	.0	.0	.3 2.4
WNW	.0	.1	.2	1.4	.1	.4	.1	.4	.1	.6	.1	.6	.1	.5	.5 4.0
NW	.0	.1	.2	1.6	.1	.8	.1	.9	.1	1.1	.1	.7	.1	.5	.7 5.7
NNW	.0	.4	.4	3.1	.2	1.8	.3	2.2	.4	3.6	.4	3.1	.1	1.2	1.8 15.3
CALM	.3	2.2													.3 2.2
TOTAL	.6	5.5	4.2	35.5	1.8	14.9	1.7	14.7	1.8	15.6	1.2	9.9	.5	4.0	11.8 100 15.3

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: FAR FARGO, ND

PERIOD: 1948-1978

CLASS 3 / DAY

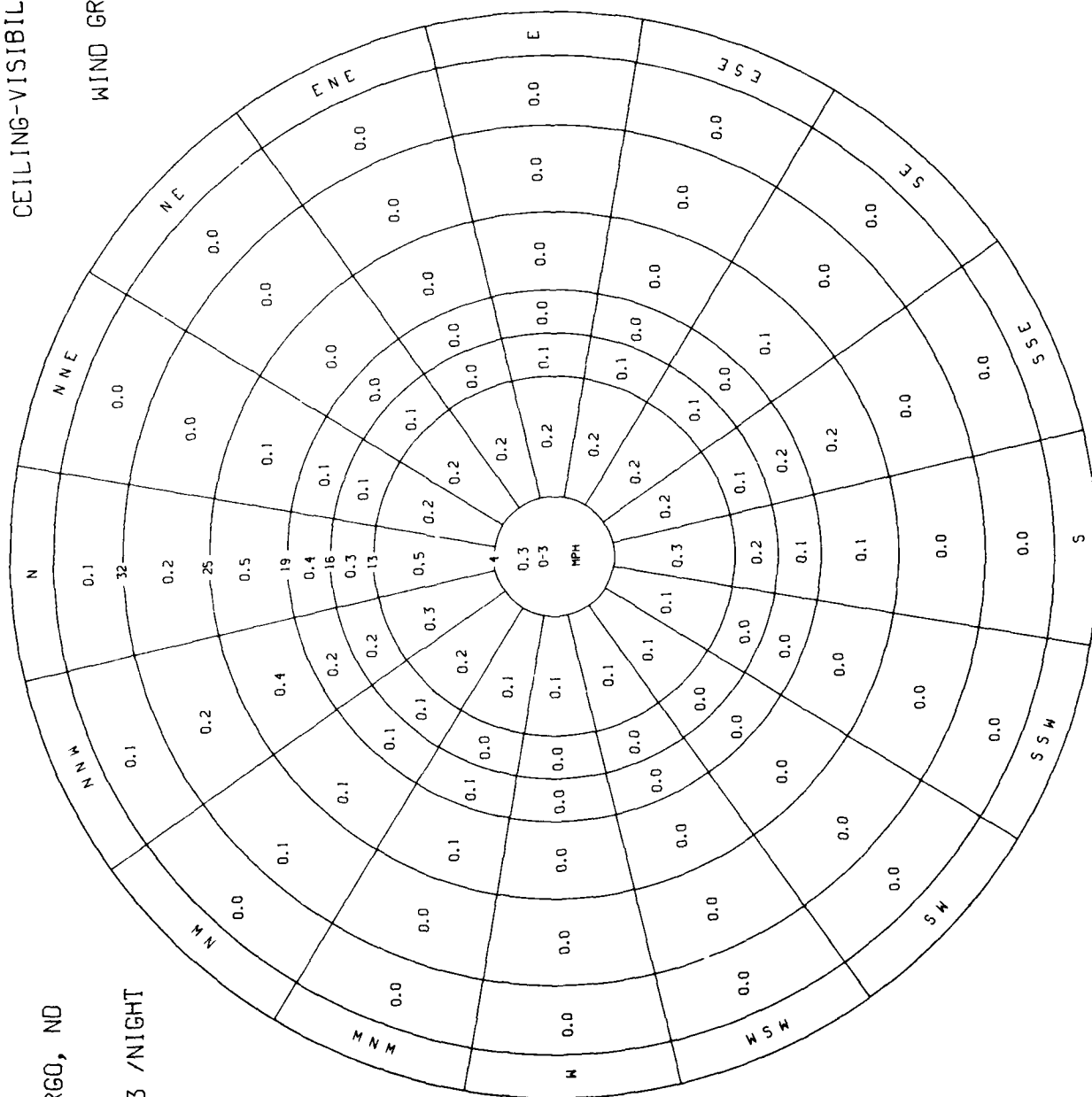
STATION NUMBER: 14914

NO. OBS.: 4672

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.1	.4	4.4	.4	3.7	.4	4.5	.6	5.9	.3	3.2	.0	.5	2.2 22.3
NNE	.0	.1	.3	2.7	.2	1.8	.1	1.5	.1	1.2	.0	.3	.0	.1	.7 7.7
NNE	.0	.2	.2	2.2	.1	.7	.0	.5	.0	.2	.0	.0	.0	.0	.4 3.9
ENE	.0	.1	.2	1.7	.0	.4	.0	.2	.0	.1	.0	.1	.0	.0	.3 2.7
E	.0	.2	.2	1.9	.0	.4	.0	.3	.0	.3	.0	.0	.0	.0	.3 3.2
ESE	.0	.1	.2	2.1	.1	.6	.0	.4	.0	.3	.0	.1	.0	.0	.4 3.8
SE	.0	.2	.3	2.8	.1	.8	.1	1.0	.1	.7	.0	.2	.0	.0	.6 5.8
SSE	.0	.1	.2	2.4	.2	1.6	.2	1.9	.2	1.8	.1	.7	.0	.1	.8 8.7
S	.0	.1	.3	3.3	.2	1.8	.2	1.6	.1	.9	.0	.3	.0	.0	.8 8.1
SSW	.0	.1	.1	1.1	.0	.4	.0	.3	.0	.1	.0	.0	.0	.0	.2 2.0
SW	.0	.2	.1	.9	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.1 1.4
WSW	.0	.1	.1	.7	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.1 1.1
W	.0	.1	.1	1.2	.0	.4	.0	.3	.0	.2	.0	.1	.0	.1	.2 2.4
WNW	.0	.0	.1	1.3	.0	.5	.1	.6	.1	.6	.0	.5	.0	.3	.4 3.9
NW	.0	.2	.2	1.8	.1	.9	.1	1.2	.1	1.0	.1	1.0	.0	.4	.6 6.5
NNW	.0	.2	.3	2.9	.2	2.2	.2	2.5	.4	3.7	.3	2.8	.1	1.0	1.5 15.3
CALM	.1	1.1													.1 1.1
TOTAL	.3	3.3	3.3	33.8	1.6	16.5	1.7	17.1	1.7	17.3	.9	9.5	.3	2.6	9.7 100
															15.6

CEILING-VISIBILITY

WIND GRAPH



FAR FARGO, ND

CLASS 3 / NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: FAR FARGO, ND

CLASS 3 / NIGHT

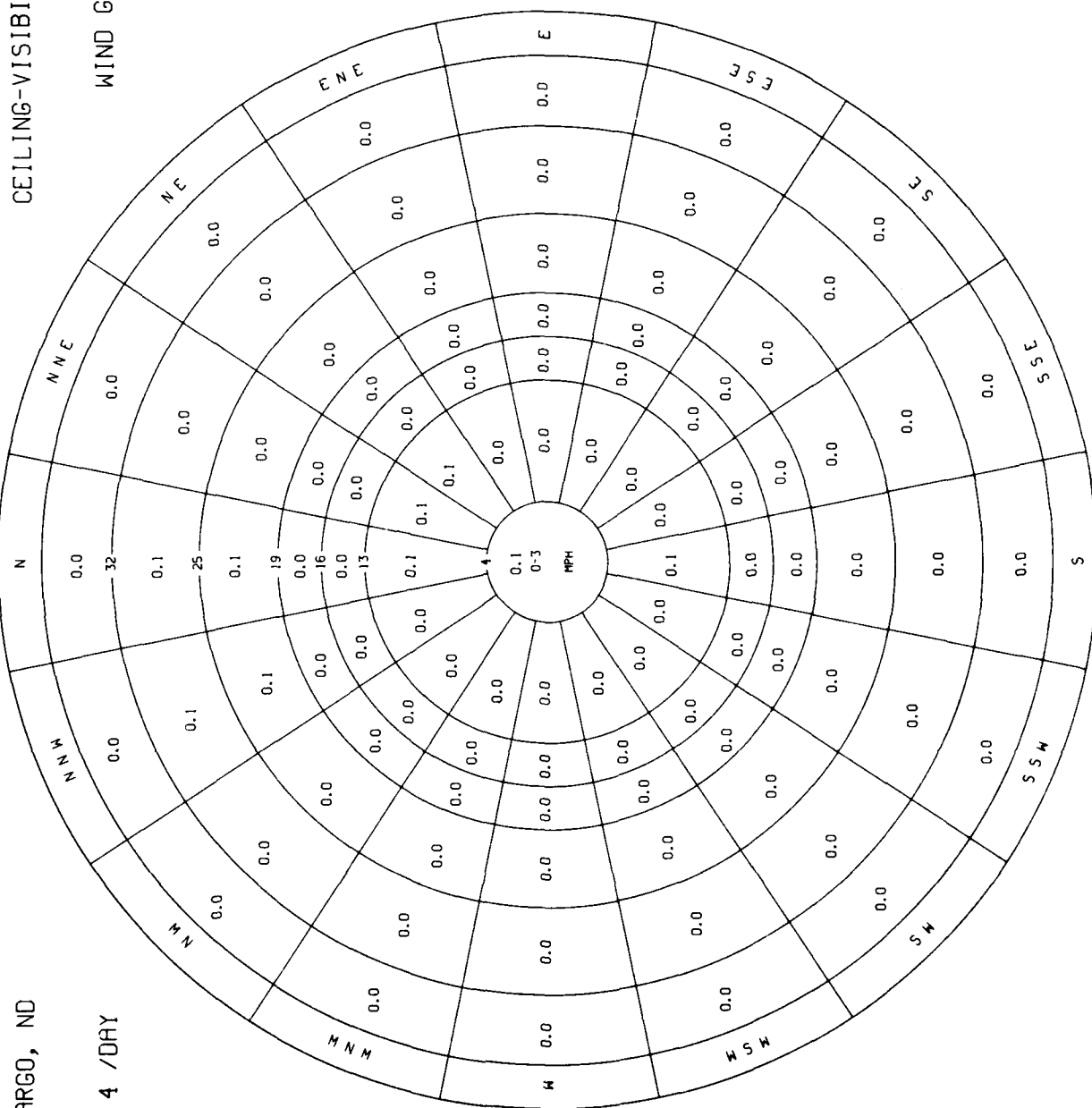
NO. OBS.: 3861

STATION NUMBER: 14914

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C
N	.0	.2	.5	5.6	.3	3.5	.4	4.6	.5	5.4	.2	2.7	.1	.6	2.1	22.6	17.4
NNE	.0	.3	.2	2.7	.1	1.3	.1	1.5	.1	1.3	.0	.5	.0	.1	.7	7.7	15.0
NE	.0	.1	.2	2.5	.1	.6	.0	.4	.0	.2	.0	.1	.0	.0	.4	3.9	11.0
ENE	.0	.1	.2	1.9	.0	.4	.0	.4	.0	.1	.0	.0	.0	.0	.3	2.8	10.2
E	.0	.2	.2	2.1	.1	.7	.0	.3	.0	.1	.0	.0	.0	.0	.3	3.4	10.7
ESE	.0	.1	.2	2.0	.1	.7	.0	.4	.0	.2	.0	.1	.0	.0	.3	3.5	11.8
SE	.0	.2	.2	2.6	.1	1.1	.0	.5	.1	.7	.0	.3	.0	.0	.5	5.5	13.4
SSE	.0	.1	.2	2.3	.1	1.5	.2	2.1	.2	2.4	.0	.5	.0	.2	.8	9.1	16.6
S	.0	.2	.3	3.1	.2	1.9	.1	1.4	.1	.9	.0	.2	.0	.0	.7	7.6	13.5
SSW	.0	.1	.1	1.0	.0	.2	.0	.3	.0	.1	.0	.0	.0	.0	.2	1.9	11.2
SW	.0	.1	.1	1.0	.0	.2	.0	.0	.0	.1	.0	.0	.0	.1	.1	1.3	10.4
WSW	.0	.1	.1	.6	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.1	1.2	10.7
W	.0	.2	.1	1.2	.0	.3	.0	.2	.0	.2	.0	.2	.0	.0	.2	2.3	12.2
WNW	.0	.1	.1	1.5	.0	.5	.1	.6	.1	.7	.0	.5	.0	.4	.4	4.3	17.4
NW	.0	.1	.2	1.7	.1	1.0	.1	1.0	.1	1.3	.1	.7	.0	.2	.5	6.0	16.8
NNW	.0	.3	.3	3.3	.2	2.1	.2	2.6	.4	3.9	.2	2.5	.1	.7	1.4	15.3	18.3
CALM	.1	1.5													.1	1.5	
TOTAL	.3	3.8	3.2	35.0	1.5	16.3	1.5	16.6	1.6	17.6	.8	8.4	.2	2.4	9.1	100	15.2

CEILING-VISIBILITY

WIND GRAPH



FAR FARGO, ND

CLASS 4 /DAY

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: FAR FARGO, ND

CLASS 4 / DAY

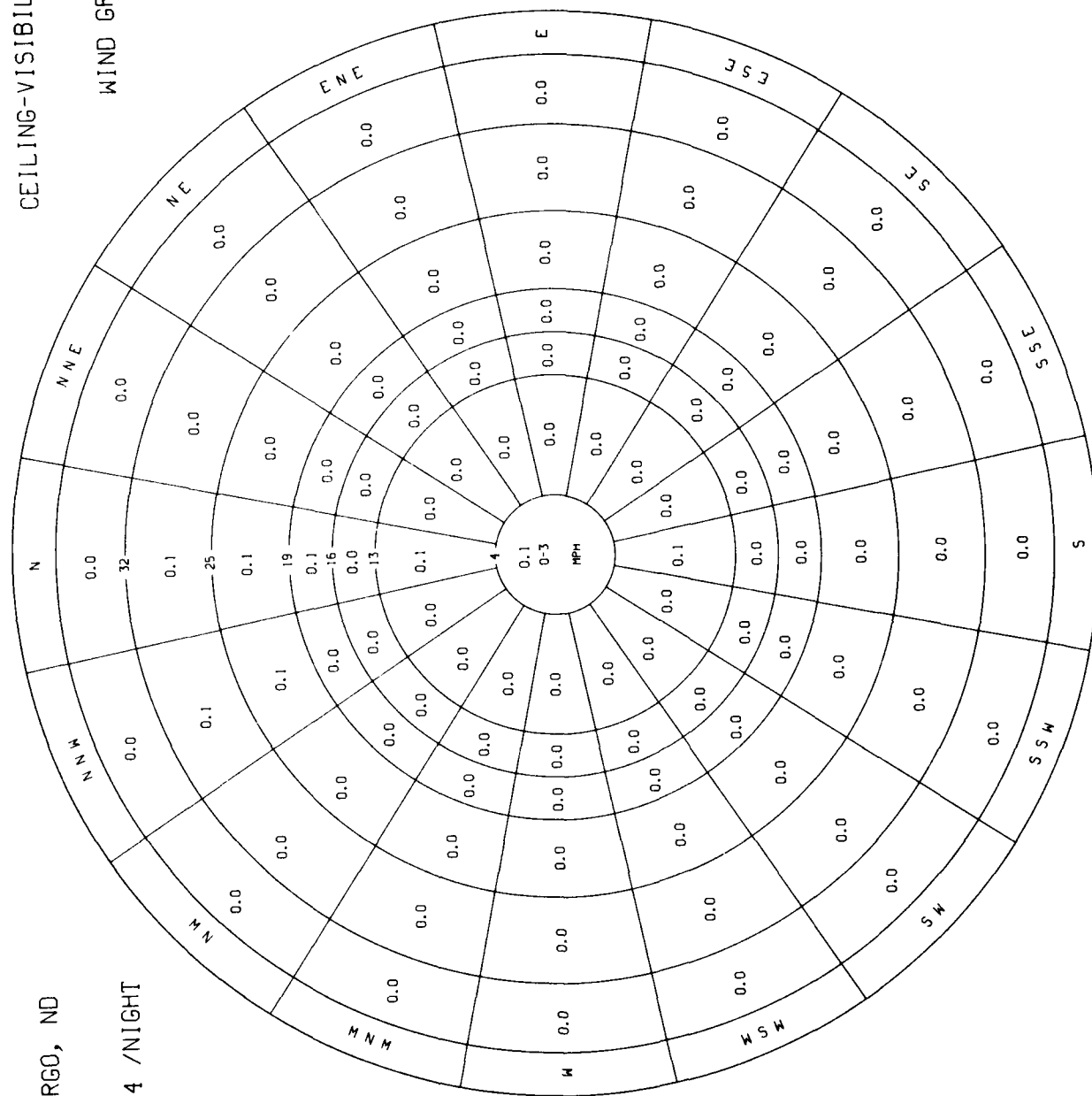
NO. OBS.: 730

STATION NUMBER: 14914

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D
N	.0	.0	.1	5.6	.0	3.2	.0	1.8	.1	4.1	.1	4.8	.0	1.5	.3	21.0	19.3
NNE	.0	.3	.1	3.6	.0	1.0	.0	1.8	.0	1.6	.0	1.1	.0	.3	.1	9.6	15.8
NE	.0	.3	.1	3.7	.0	1.1	.0	.3	.0	.4	.0	.0	.0	.0	.1	5.8	10.9
ENE	.0	.1	.0	1.6	.0	.3	.0	.4	.0	.4	.0	.0	.0	.0	.0	2.9	11.0
E	.0	.1	.0	2.6	.0	.4	.0	.3	.0	.1	.0	.0	.0	.0	.1	3.6	9.8
ESE	.0	.1	.0	1.8	.0	.5	.0	.4	.0	.4	.0	.0	.0	.0	.0	3.3	11.5
SE	.0	.0	.0	2.7	.0	.4	.0	.4	.0	.8	.0	.3	.0	.0	.1	4.7	13.1
SSE	.0	.0	.0	1.4	.0	1.5	.0	1.2	.0	1.1	.0	.8	.0	.3	.1	6.3	17.6
S	.0	.0	.1	4.1	.0	2.7	.0	1.4	.0	.5	.0	.0	.0	.0	.1	8.8	12.7
SSW	.0	.0	.0	2.5	.0	.4	.0	.0	.0	.1	.0	.0	.0	.0	.0	3.0	9.0
SW	.0	.5	.0	1.1	.0	.1	.0	.3	.0	.0	.0	.0	.0	.0	.0	2.1	8.3
WSW	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	1.1	10.0
W	.0	.1	.0	1.1	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.0	1.8	11.5
WNW	.0	.3	.0	.8	.0	.1	.0	.3	.0	.1	.0	.3	.0	.8	.0	2.7	20.7
NW	.0	.4	.0	1.5	.0	.4	.0	.8	.0	.4	.0	1.0	.0	.5	.1	5.1	17.5
NNW	.0	.1	.0	2.9	.0	1.2	.0	1.9	.1	4.2	.1	3.7	.0	2.1	.2	16.2	21.3
CALM	.0	2.3													.0	2.3	
TOTAL	.1	4.8	.6	37.9	.2	13.6	.2	11.4	.2	14.8	.2	11.9	.1	5.6	1.5	100	15.7

CEILING-VISIBILITY

WIND GRAPH



FAR FARGO, ND

CLASS 4 /NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: FAR FARGO, ND

PERIOD: 1948-1978

CLASS 4 / NIGHT

STATION NUMBER: 14914

NO. OBS.: 685

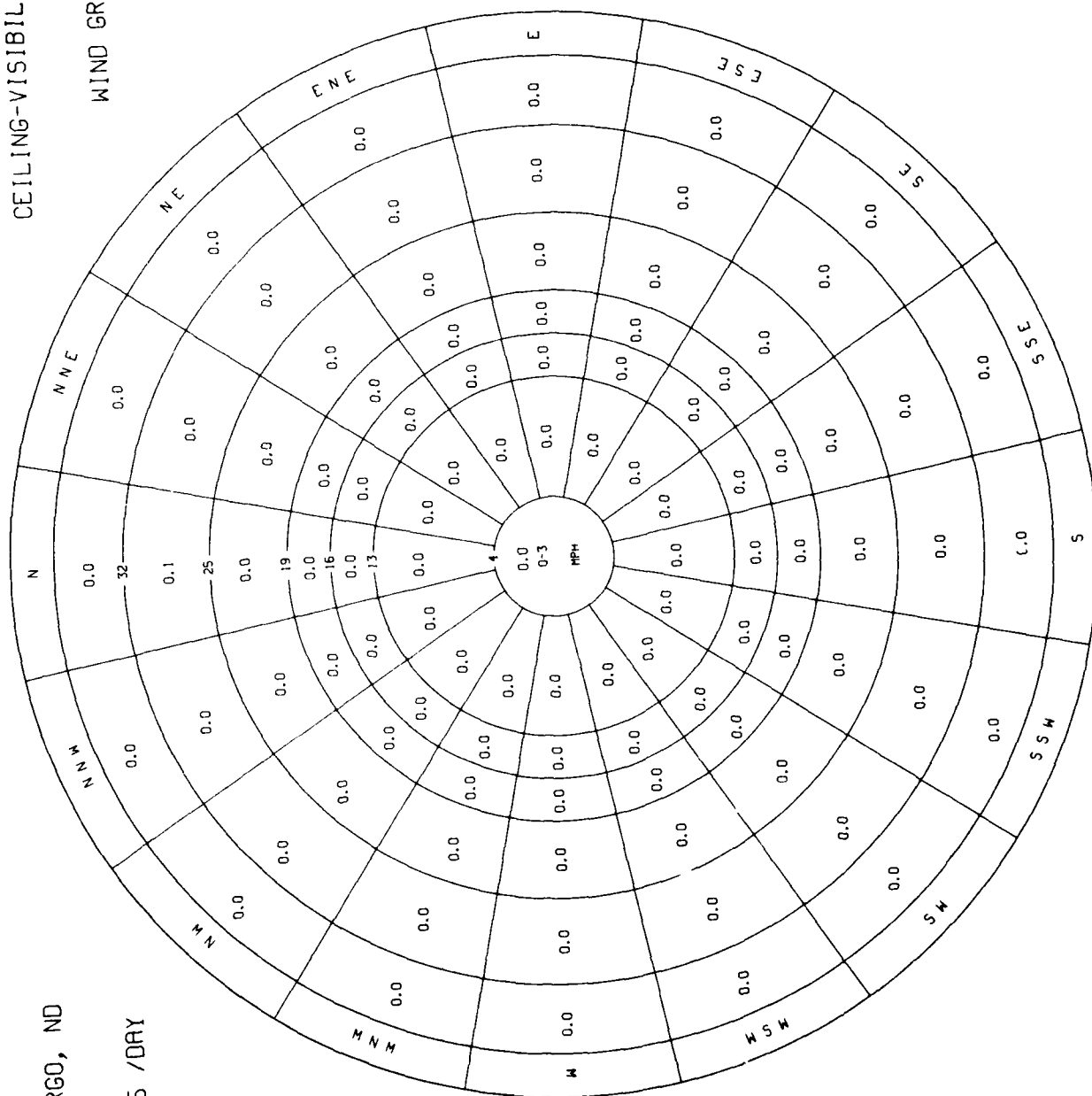
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C
N	.0	.6	.1	6.4	.0	3.1	.1	3.5	.1	3.8	.1	6.6	.0	1.6	.4	25.5	19.0
NNE	.0	.1	.0	3.1	.0	.9	.0	1.5	.0	1.3	.0	.9	.0	.3	.1	8.0	15.8
NE	.0	.7	.0	1.9	.0	.4	.0	.4	.0	.4	.0	.3	.0	.0	.1	4.2	11.4
ENE	.0	.3	.0	1.6	.0	.4	.0	.1	.0	.1	.0	.0	.0	.0	.0	2.6	9.5
E	.0	.1	.0	1.8	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	2.5	9.8
ESE	.0	.0	.0	1.6	.0	.1	.0	.1	.0	.3	.0	.1	.0	.0	.0	2.3	12.1
SE	.0	.0	.0	2.9	.0	1.0	.0	.4	.0	.1	.0	.0	.0	.0	.1	4.5	10.3
SSE	.0	.1	.0	3.1	.0	2.2	.0	2.5	.0	1.5	.0	.4	.0	.0	.2	9.8	15.1
S	.0	.4	.1	4.8	.0	2.6	.0	1.2	.0	.7	.0	.4	.0	.1	.2	10.4	13.2
SSW	.0	.3	.0	1.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	6.7
SW	.0	.1	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	7.7
WSW	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	7.2
W	.0	.6	.0	.9	.0	.0	.0	.1	.0	.0	.0	.1	.0	.1	.0	1.9	11.7
WNW	.0	.1	.0	1.2	.0	.1	.0	.0	.0	.3	.0	.7	.0	.4	.0	2.9	18.7
NW	.0	.1	.0	1.5	.0	.3	.0	.4	.0	.9	.0	1.2	.0	.9	.1	5.3	20.1
NNW	.0	.7	.0	2.8	.0	.6	.0	1.2	.1	3.4	.1	3.8	.0	1.8	.2	14.2	20.7
CALM	.0	2.5													.0	2.5	
TOTAL	.1	7.0	.6	36.2	.2	12.0	.2	12.1	.2	12.8	.2	14.6	.1	5.3	1.6	100	15.7

CEILING-VISIBILITY

WIND GRAPH

FAR FARGO, ND

CLASS 5 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: FAR FARGO, ND

PERIOD: 1948-1978

CLASS 5 / DAY

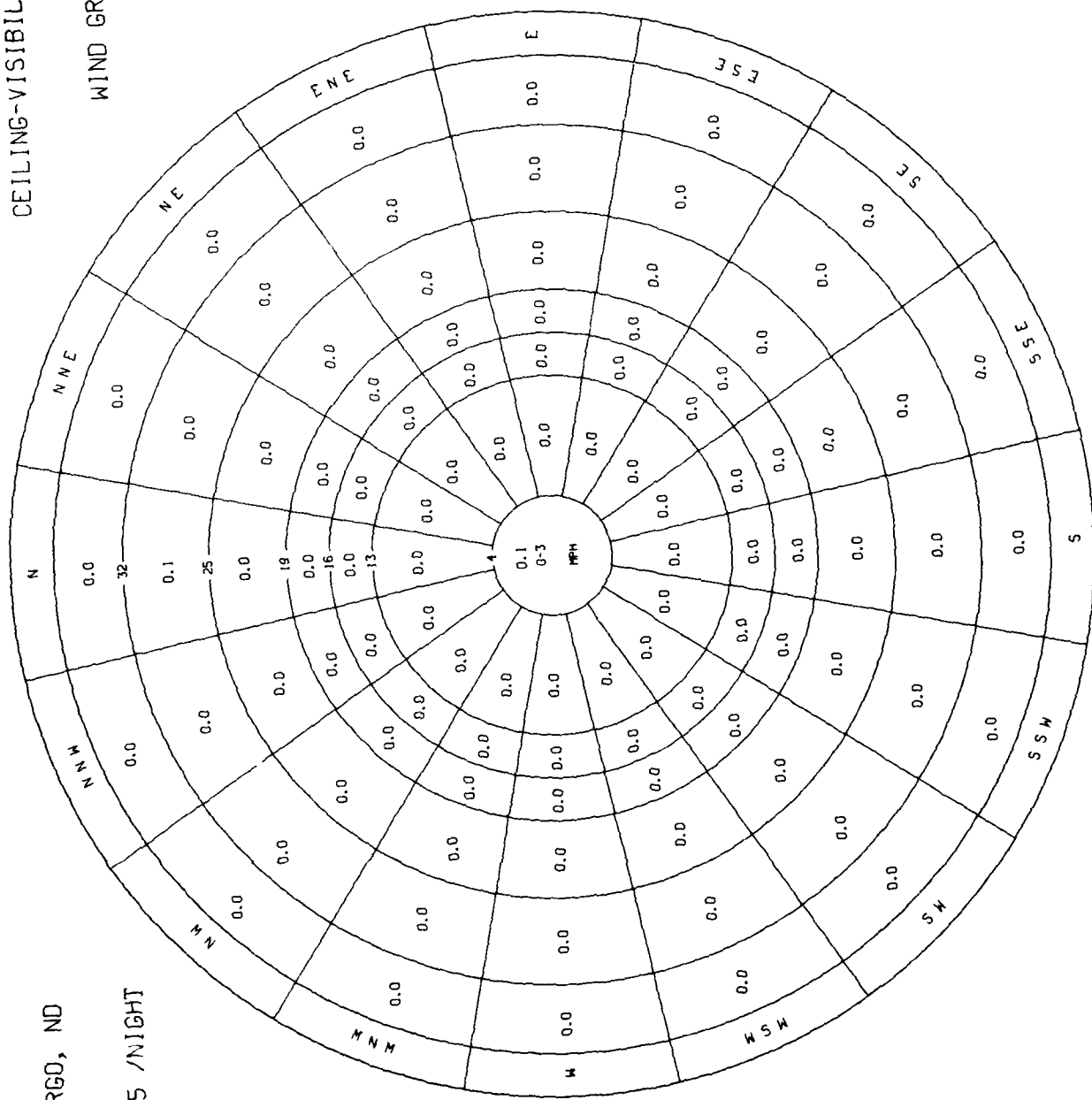
STATION NUMBER: 14914

NO. OBS.: 203

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.0	.0	.0	5.4	.0	1.0	.0	.5	.0	3.4	.1	13.3	.0	4.4	.1	28.1	23.8
NNE	.0	1.5	.0	3.0	.0	.0	.0	.0	.0	1.0	.0	3.4	.0	.5	.0	9.4	16.9
NNE	.0	.5	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	7.0
ENE	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	3.0
E	.0	.0	.0	1.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	10.8
ESE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	.5	21.0
SE	.0	.0	.0	1.0	.0	.5	.0	.5	.0	.0	.0	.0	.0	.5	.0	2.5	16.0
SSE	.0	.0	.0	1.5	.0	.5	.0	1.5	.0	.0	.0	.5	.0	1.0	.0	4.9	19.4
S	.0	.0	.0	7.9	.0	.5	.0	1.5	.0	.0	.0	.0	.0	.0	.0	9.9	9.7
SSW	.0	.5	.0	2.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	6.8
SW	.0	.0	.0	1.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.5	.0	2.0	16.5
WSW	.0	.5	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	5.3
W	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	1.0	17.5
WNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	.0	1.0	.0	1.0	.0	3.4	26.9
NW	.0	.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	1.5	.0	2.5	.0	5.4	25.3
NNW	.0	.0	.0	3.4	.0	1.0	.0	.0	.0	1.5	.0	8.4	.0	3.4	.1	17.7	24.7
CALM	.0	5.9													.0	5.9	
TOTAL	.0	9.9	.1	30.5	.0	5.4	.0	3.9	.0	7.9	.1	28.1	.1	14.3	.4	100	18.5

CEILING-VISIBILITY

WIND GRAPH



FAR FARGO, ND

CLASS 5 / NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: FAR FARGO, ND

PERIOD: 1948-1978

CLASS 5 / NIGHT

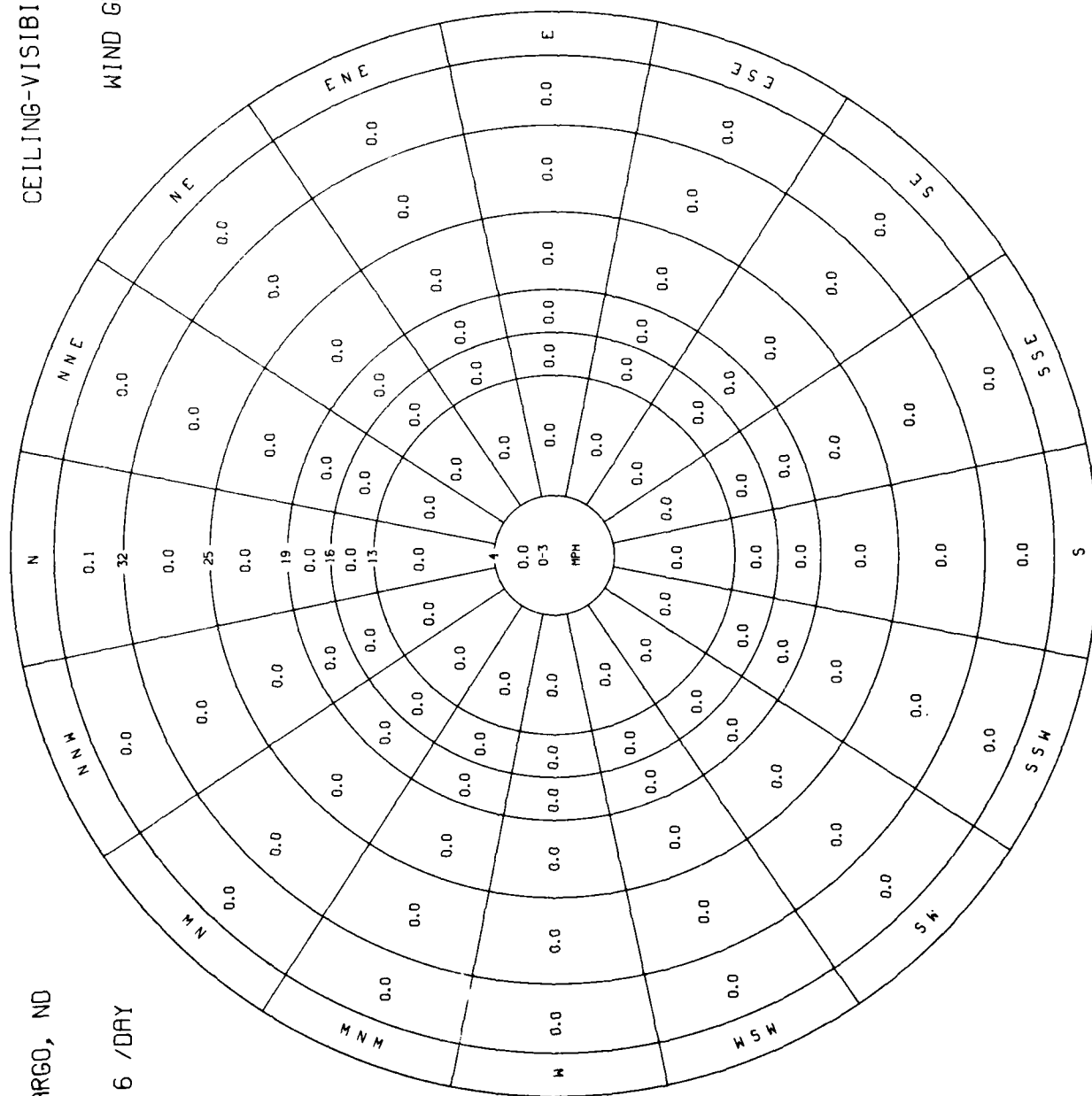
STATION NUMBER: 14914

NO. OBS.: 240

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C
N	.0	.0	.0	4.2	.0	1.2	.0	1.2	.0	.4	.1	10.0	.0	4.6	.1	21.7	23.7
NNE	.0	1.2	.0	3.3	.0	.0	.0	.0	.4	.4	.0	1.2	.0	.0	.0	6.3	12.0
NE	.0	.4	.0	1.7	.0	.4	.0	.0	.4	.4	.0	.0	.0	.0	.0	2.9	10.6
ENE	.0	.8	.0	.0	.0	.0	.0	.4	.0	.8	.0	.4	.0	.0	.0	2.5	15.8
E	.0	.0	.0	1.2	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	1.7	8.8
ESE	.0	.0	.0	.4	.0	.4	.0	.0	.4	.4	.0	.4	.0	.4	.0	2.1	20.4
SE	.0	.0	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	6.6
SSE	.0	.4	.0	2.9	.0	.0	.0	1.2	.0	.8	.0	.4	.0	.0	.0	5.8	12.8
S	.0	.8	.0	5.4	.0	5.4	.0	2.1	.0	.4	.0	.0	.0	.0	.1	14.2	11.5
SSW	.0	.8	.0	3.7	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0	9.3
SW	.0	1.2	.0	4.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.4	7.2
WSW	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	7.5
W	.0	.4	.0	1.7	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	6.5
WNW	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.4	.0	.8	.0	1.7	27.5
NW	.0	.4	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	.0	2.9	18.4
NNW	.0	.8	.0	2.5	.0	1.7	.0	.4	.0	2.1	.0	5.4	.0	4.2	.1	17.1	23.0
CALM	.0	4.6													.0	4.6	
TOTAL	.1	12.1	.2	36.7	.1	10.0	.0	5.8	.0	5.8	.1	18.3	.1	11.2	.6	100	15.7

CEILING-VISIBILITY

WIND GRAPH



FAR FARGO, ND

CLASS 6 /DAY

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: FAR FARGO, ND

PERIOD: 1948-1978

CLASS 6 / DAY

NO. OBS.: 206

STATION NUMBER: 14914

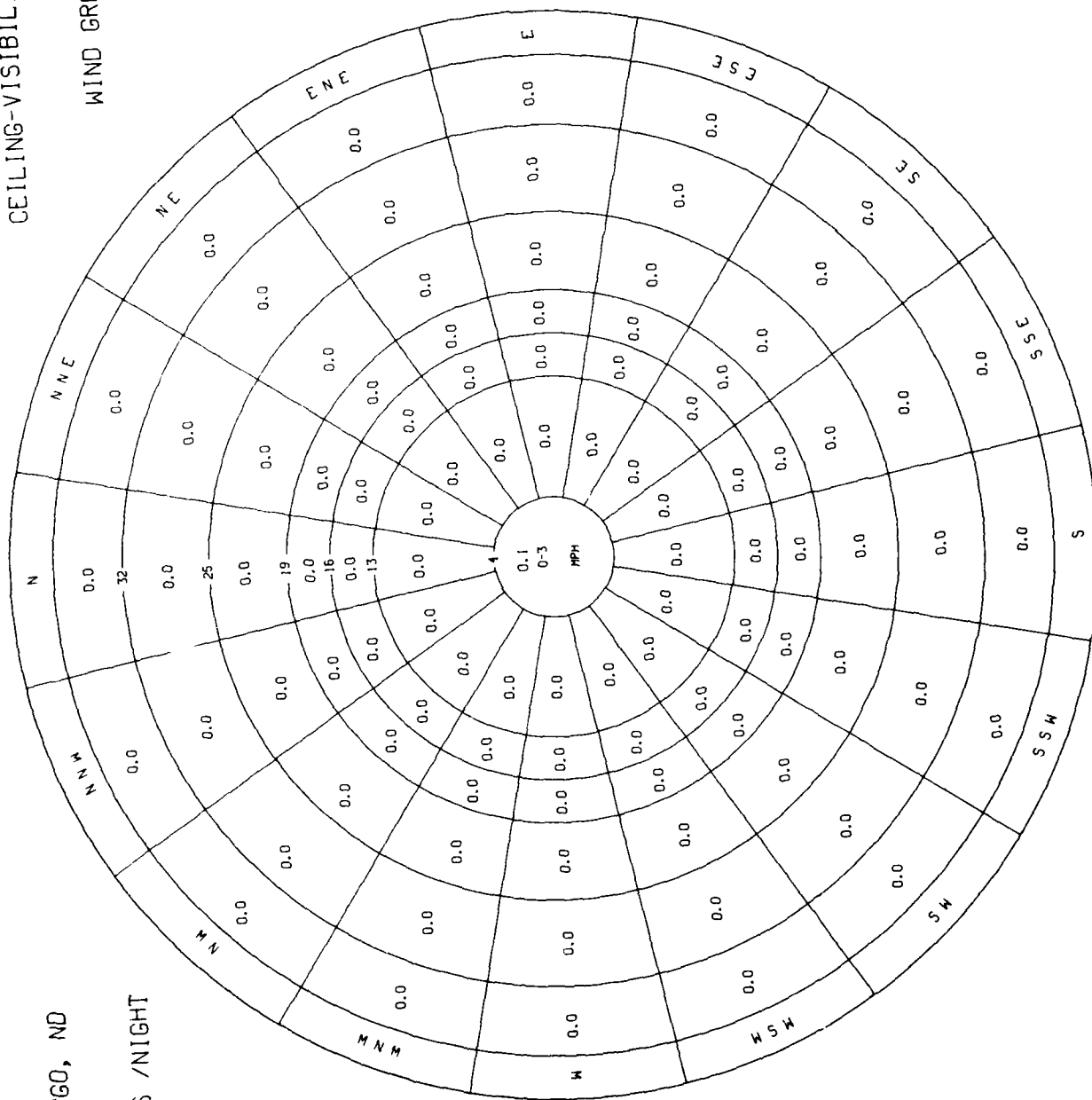
O I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	1.0	.0	4.4	.0	.0	.0	.0	.0	1.5	.0	7.8	.1	15.0	.1 29.6
NNE	.0	.5	.0	3.4	.0	.0	.0	.0	.0	1.0	.0	.5	.0	1.0	.0 6.3
NNE	.0	.5	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0 3.4
ENE	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0 2.4
E	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .5
ESE	.0	.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.5
SE	.0	.0	.0	.5	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0 1.0
SSE	.0	.5	.0	3.4	.0	1.0	.0	.0	.0	.5	.0	.0	.0	.0	.0 5.3
S	.0	1.0	.0	3.4	.0	1.0	.0	.5	.0	.5	.0	.0	.0	.0	.0 6.3
SSW	.0	.5	.0	3.9	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.9
SW	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.0
WSW	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.0
W	.0	.5	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.9
WNW	.0	.0	.0	1.9	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.4
NW	.0	.5	.0	1.5	.0	.5	.0	.0	.0	.0	.0	.5	.0	1.9	.0 4.9
NNW	.0	.0	.0	1.5	.0	1.0	.0	.0	.0	1.0	.0	9.7	.0	8.3	.1 21.4
CALM	.0	4.4													.0 4.4
TOTAL	.0	9.7	.1	33.0	.0	4.4	.0	1.0	.0	4.9	.1	18.9	.1	28.2	.4 100

CEILING-VISIBILITY

WIND GRAPH

FAR FARGO, ND

CLASS 6 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: FAR FARGO., ND

CLASS 6 / NIGHT

ND. OBS.: 220

STATION NUMBER: 14914

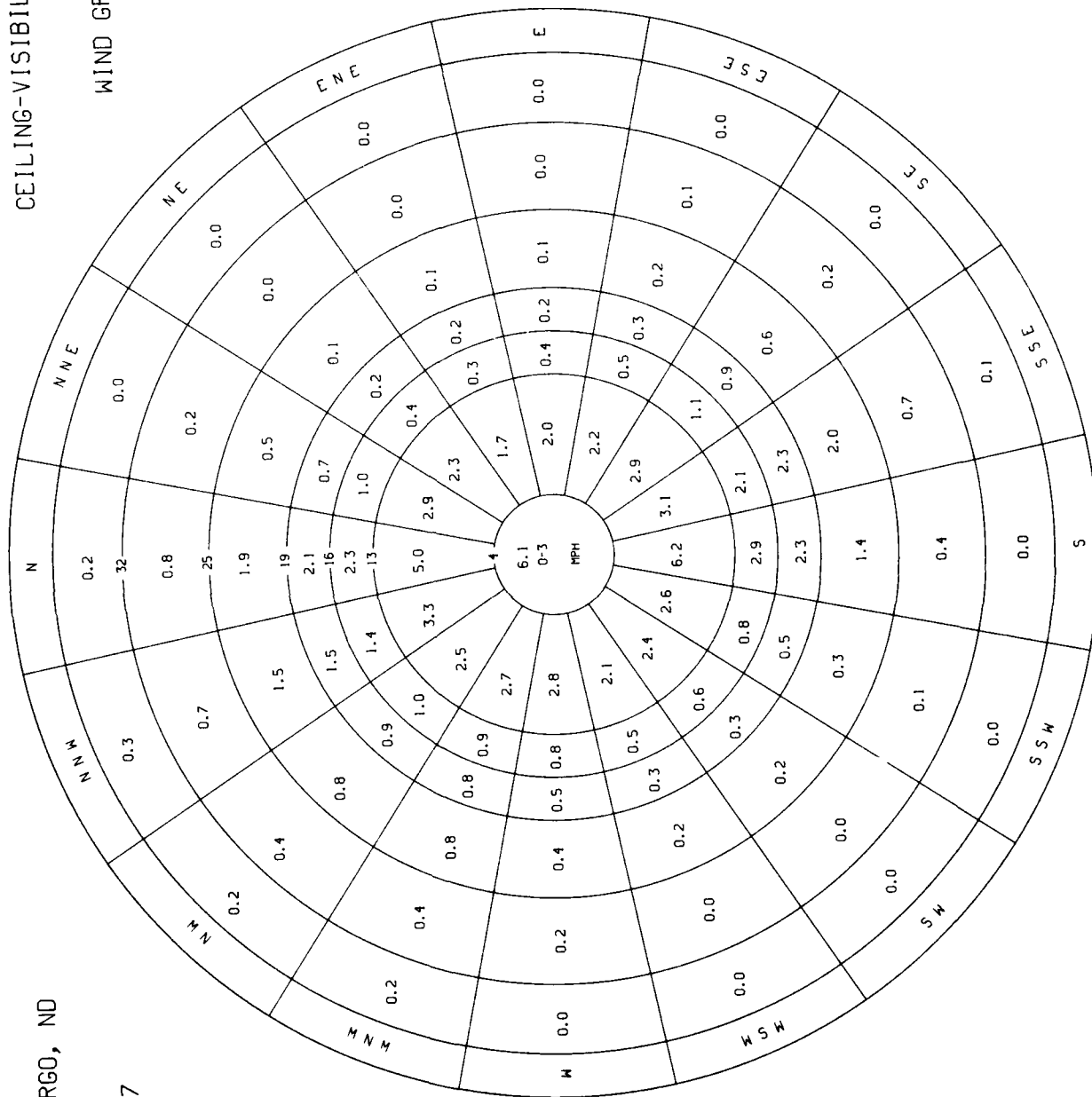
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	1.4	.0	2.3	.0	.0	.0	.0	.0	.5	.0	2.3	.0	9.1	.1 15.5
NNE	.0	1.4	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0 3.6
NNE	.0	1.4	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.3
ENE	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .9
E	.0	1.4	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.8
ESE	.0	.9	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.8
ESE	.0	.0	.0	1.4	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.8
SSE	.0	.5	.0	5.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.8
S	.0	.9	.0	6.8	.0	1.8	.0	.5	.0	.0	.0	.5	.0	.5	.0 6.8
SSW	.0	.5	.0	4.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.1 10.0
SW	.0	.5	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.5
WSW	.0	.0	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.6
W	.0	.9	.0	3.6	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0 2.3
WNW	.0	.0	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0 5.5
NW	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.9	.0	1.8	.0 5.0
NNW	.0	.5	.0	1.8	.0	.5	.0	.0	.0	.0	.0	.0	.0	3.6	.0 5.0
CALM	.1	12.3													.1 16.4
TOTAL	.1	22.5	.2	39.5	.0	3.6	.0	.9	.0	.9	.1	12.3	.1	20.5	.5 100
															15.6

CEILING-VISIBILITY

WIND GRAPH

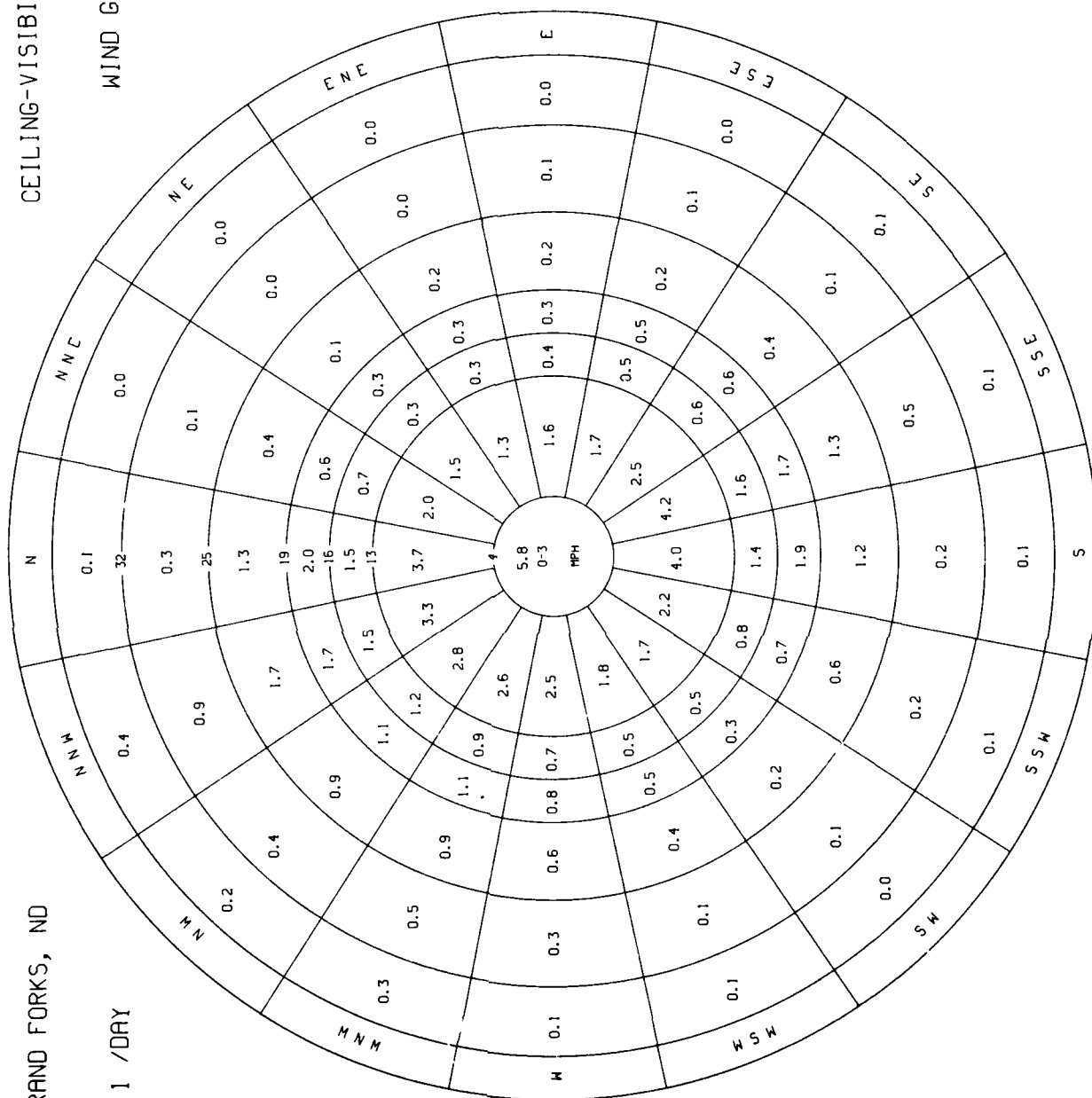
FAR FARGO, ND

CLASS 7



CEILING-VISIBILITY WIND GRAPH

GFK GRAND FORKS, ND
CLASS 1 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GFK GRAND FORKS, ND

PERIOD: 1949-1978

CLASS 1 / DAY

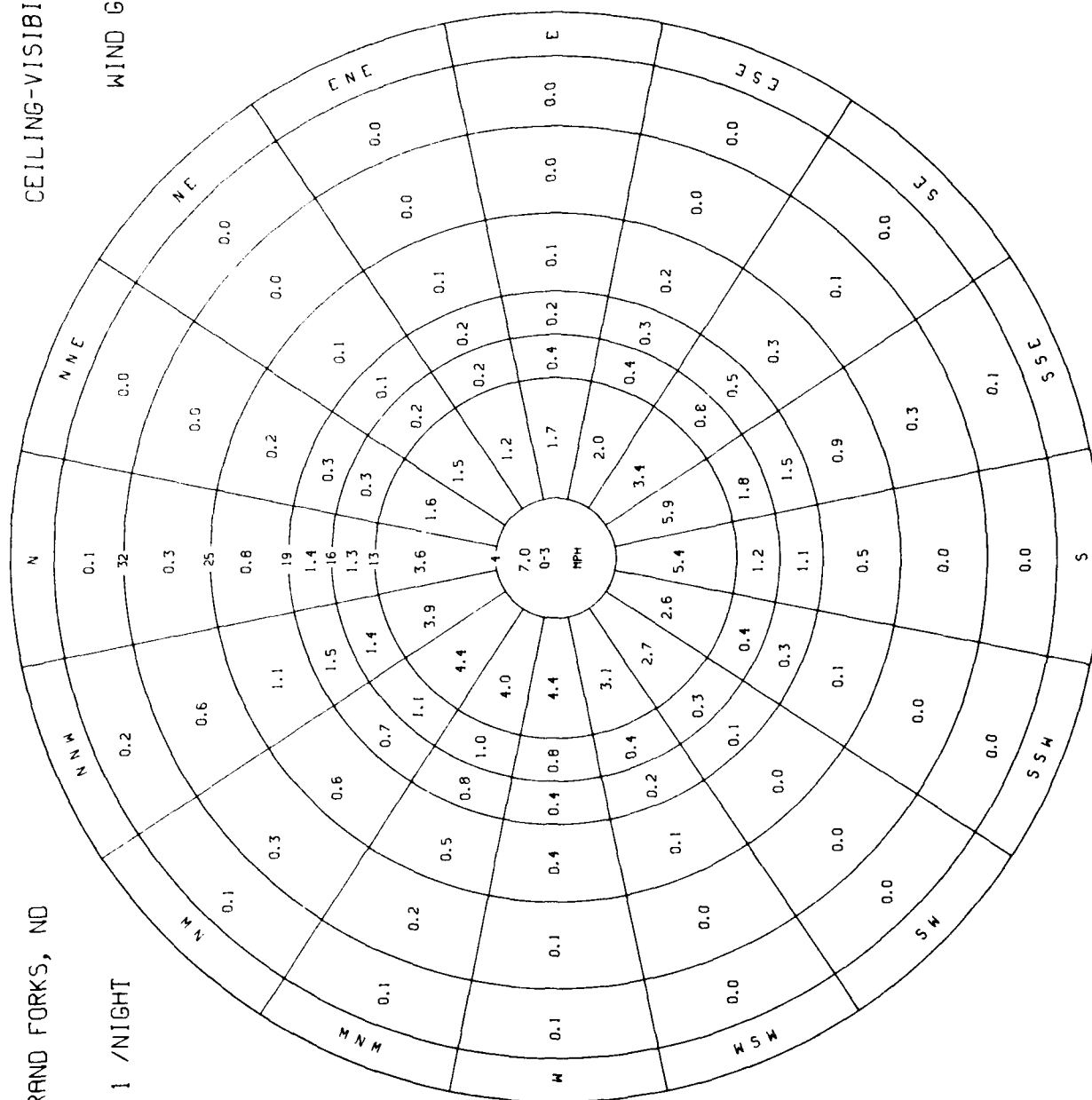
STATION NUMBER: 14916

NO. OBS.: 21548

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.3	.4	3.7	4.1	1.5	1.7	2.0	2.2	1.3	1.5	.3	.4	.1	.1	9.2 10.4
NNE	.2	.2	2.0	2.3	.7	.7	.6	.6	.4	.4	.1	.1	.0	.0	4.0 4.5
NE	.3	.3	1.5	1.7	.3	.4	.3	.3	.1	.1	.0	.1	.0	.0	2.6 2.9
ENE	.1	.1	1.3	1.5	.3	.4	.3	.3	.2	.2	.0	.1	.0	.0	2.3 2.6
E	.2	.2	1.6	1.8	.4	.5	.3	.3	.2	.2	.1	.1	.0	.0	2.7 3.1
ESE	.2	.2	1.7	1.9	.5	.5	.5	.5	.2	.3	.1	.1	.0	.0	3.1 3.5
SE	.3	.3	2.5	2.8	.6	.7	.6	.7	.4	.4	.1	.1	.1	.1	4.6 5.2
SSE	.3	.4	4.2	4.8	1.6	1.8	1.7	1.9	1.3	1.4	.5	.6	.1	.2	9.7 10.9
S	.4	.4	4.0	4.5	1.4	1.6	1.9	2.1	1.2	1.4	.2	.2	.1	.1	9.1 10.2
SSW	.2	.2	2.2	2.4	.8	.9	.7	.7	.6	.7	.2	.2	.1	.1	4.7 5.2
SW	.3	.4	1.7	1.9	.5	.5	.3	.4	.2	.2	.1	.1	.0	.0	3.1 3.5
WSW	.2	.2	1.8	2.0	.5	.6	.5	.6	.4	.5	.1	.1	.1	.1	3.6 4.0
W	.4	.4	2.5	2.8	.7	.8	.8	.9	.6	.7	.3	.4	.1	.1	5.4 6.1
WNW	.2	.2	2.6	2.9	.9	1.0	1.1	1.2	.9	1.0	.5	.6	.3	.3	6.5 7.3
NW	.4	.4	2.8	3.2	1.2	1.4	1.1	1.3	.9	1.0	.4	.5	.2	.2	7.0 7.9
NNW	.3	.3	3.3	3.7	1.5	1.7	1.7	2.0	1.7	1.9	.9	1.0	.4	.5	9.8 11.0
CALM	1.6	1.8													1.6 1.8
TOTAL	5.8	6.6	39.5	44.3	13.4	15.0	14.4	16.1	10.4	11.7	4.0	4.5	1.6	1.8	89.1 100

GFK GRAND FORKS, ND

CLASS 1 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GFK GRAND FORKS, ND

PERIOD: 1949-1978

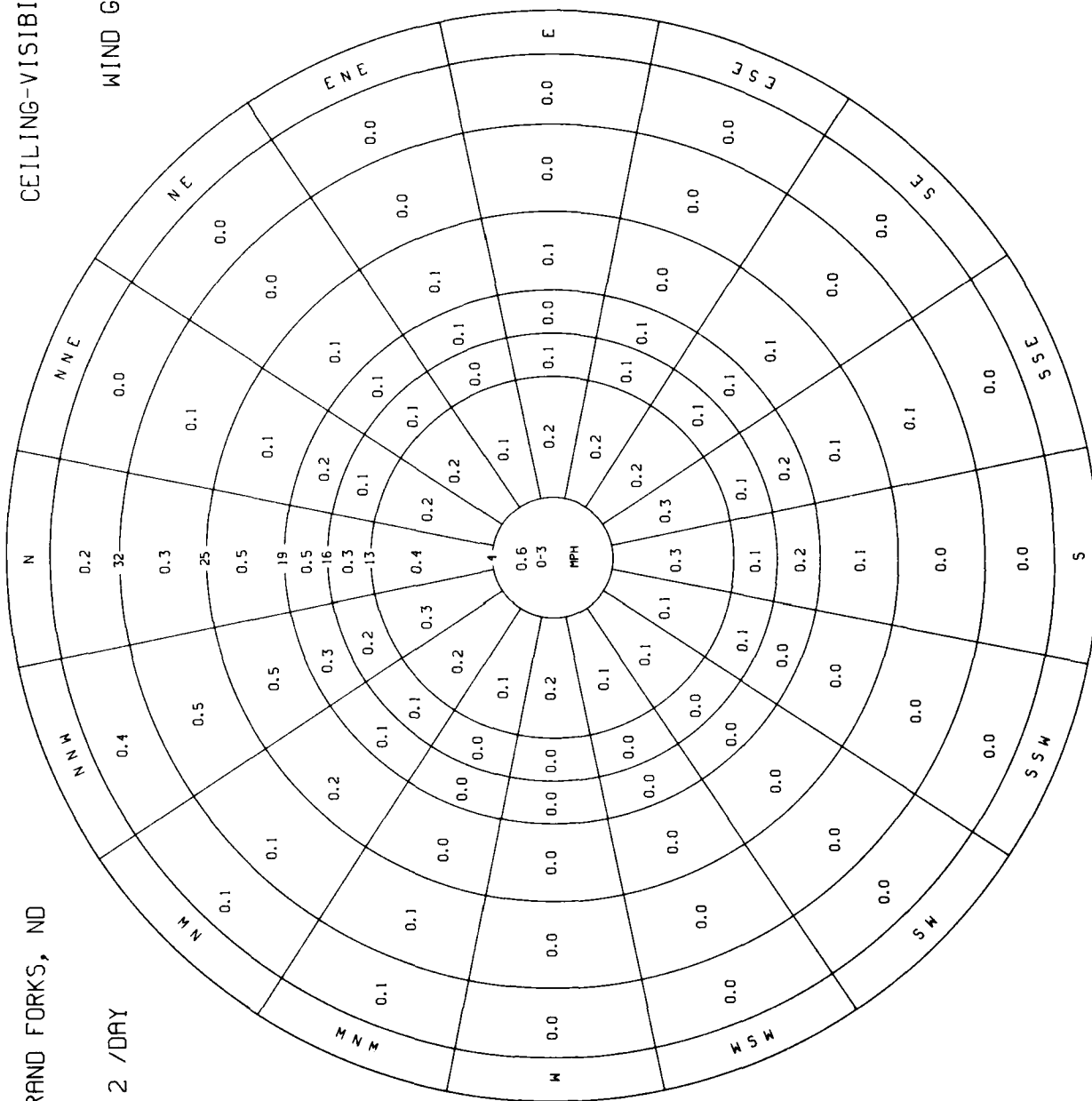
CLASS 1 / NIGHT

STATION NUMBER: 14916

NO. OBS.: 17497

DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.4	.5	3.6	4.1	1.3	1.4	1.4	1.5	.8	.9	.3	.3	.1	.1	7.8 8.8
NNE	.3	.3	1.6	1.8	.3	.4	.3	.3	.2	.2	.0	.0	.0	.0	2.8 3.1
NENE	.3	.3	1.5	1.7	.2	.3	.1	.2	.1	.1	.0	.0	.0	.0	2.3 2.5
ENE	.2	.2	1.2	1.3	.2	.2	.2	.2	.1	.1	.0	.0	.0	.0	1.9 2.2
E	.2	.2	1.7	1.9	.4	.4	.2	.3	.1	.1	.0	.0	.0	.0	2.6 2.9
ESE	.1	.2	2.0	2.2	.4	.5	.3	.4	.2	.2	.0	.0	.0	.0	3.1 3.5
SE	.4	.5	3.4	3.8	.8	.9	.5	.5	.3	.3	.1	.1	.0	.0	5.4 6.1
SSE	.3	.4	5.9	6.6	1.8	2.1	1.5	1.7	.9	1.0	.3	.3	.1	.1	10.9 12.2
S	.4	.4	5.4	6.1	1.2	1.3	1.1	1.3	.5	.6	.0	.0	.0	.0	8.7 9.7
SSW	.2	.2	2.6	2.9	.4	.5	.3	.4	.1	.2	.0	.0	.0	.0	3.8 4.3
SW	.3	.3	2.7	3.0	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	3.4 3.8
WSW	.2	.3	3.1	3.5	.4	.5	.2	.2	.1	.1	.0	.0	.0	.0	4.1 4.6
W	.4	.4	4.4	4.9	.8	.9	.4	.5	.4	.4	.1	.2	.1	.1	6.5 7.3
WNW	.3	.3	4.0	4.5	1.0	1.1	.8	.9	.5	.6	.2	.2	.1	.1	7.0 7.8
NW	.4	.5	4.4	4.9	1.1	1.2	.7	.8	.6	.7	.3	.3	.1	.1	7.6 8.5
NNW	.3	.4	3.9	4.4	1.4	1.5	1.5	1.7	1.1	1.3	.6	.7	.2	.2	9.0 10.1
CALM	2.2	2.5													2.2 2.5
TOTAL	7.0	7.9	51.5	57.8	12.0	13.5	9.7	10.9	6.0	6.7	2.1	2.4	.7	.8	89.1 100

CEILING-VISIBILITY
WIND GRAPH



GFK GRAND FORKS, ND
CLASS 2 /DAY

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1949-1978

STATION NAME: GFK GRAND FORKS, ND

CLASS 2 / DAY

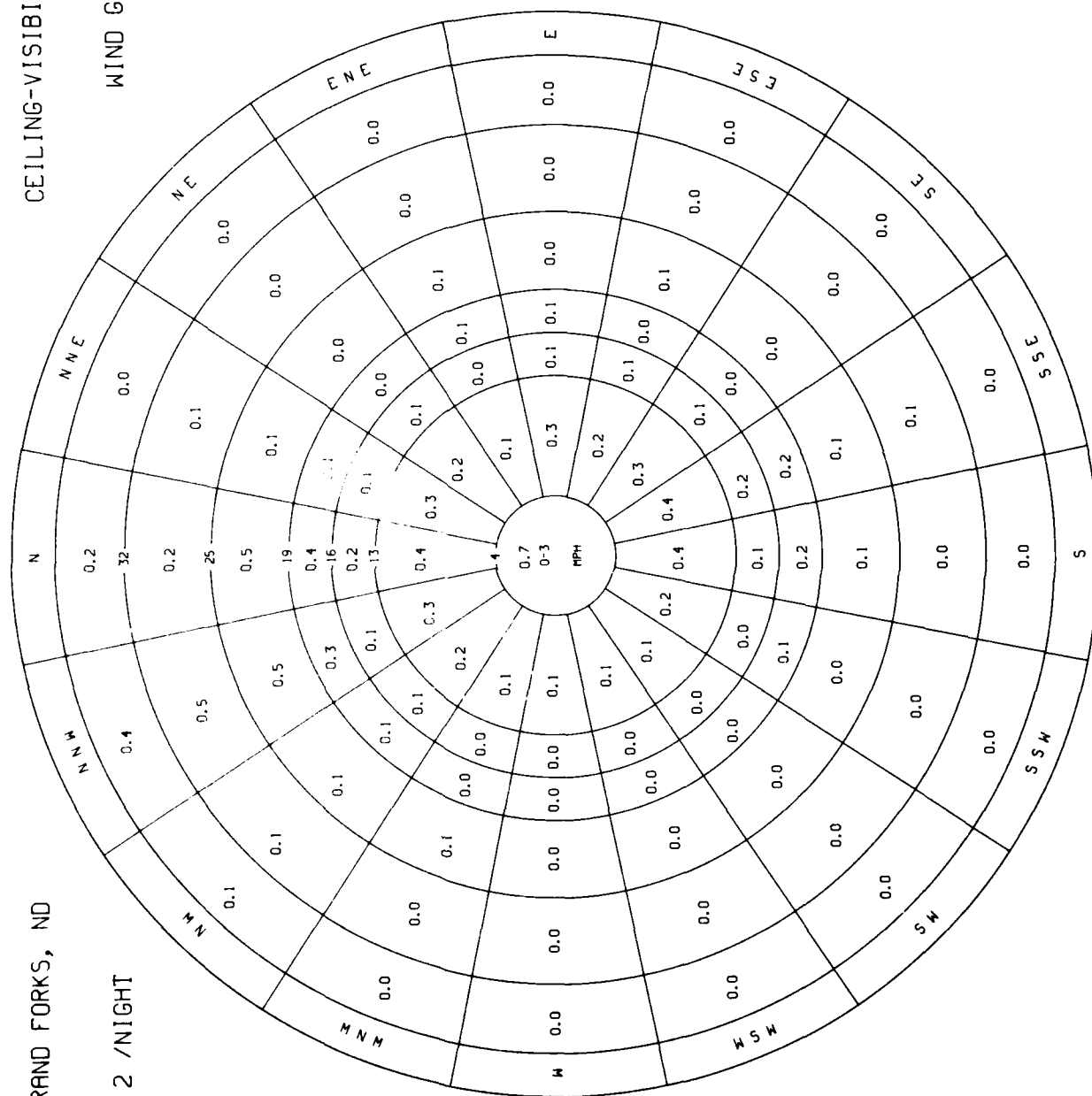
NO. OBS.: 2626

STATION NUMBER: 14916

D I R	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.3	.4	3.4	.3	3.2	.5	4.2	.5	5.0	.3	2.4	.2	1.8	2.2	20.2	19.4
NNE	.0	.2	.2	2.1	.1	1.0	.2	1.5	.1	1.3	.1	.6	.0	.1	.7	6.9	15.8
NE	.0	.0	.2	1.6	.1	.6	.1	.5	.1	.5	.0	.0	.0	.1	.4	3.4	14.0
ENE	.0	.2	.1	1.3	.0	.3	.1	.7	.1	.6	.0	.3	.0	.1	.4	3.5	14.8
E	.0	.4	.2	1.4	.1	.7	.0	.5	.1	.6	.0	.1	.0	.0	.4	3.7	12.8
ESE	.0	.1	.2	1.9	.1	.7	.1	.8	.0	.3	.0	.1	.0	.0	.4	3.9	13.1
SE	.0	.2	.2	1.7	.1	.7	.1	.9	.1	.6	.0	.2	.0	.0	.5	4.4	13.7
SSE	.0	.5	.3	3.0	.1	1.1	.2	1.9	.1	1.2	.1	.6	.0	.3	.9	8.6	15.0
S	.0	.1	.3	2.6	.1	.8	.2	1.7	.1	1.0	.0	.3	.0	.1	.7	6.5	14.5
SSW	.0	.3	.1	1.1	.1	.6	.0	.3	.0	.2	.0	.2	.0	.2	.3	2.8	14.6
SW	.0	.1	.1	.8	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	1.0	9.4
WSW	.0	.0	.1	.8	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	.9	8.7
W	.0	.2	.2	1.6	.0	.2	.0	.1	.0	.2	.0	.0	.0	.3	.3	2.6	14.2
WNW	.0	.1	.1	.9	.0	.2	.0	.4	.0	.5	.1	.5	.1	.6	.3	3.1	20.5
NW	.0	.3	.2	1.6	.1	.8	.1	.8	.2	1.4	.1	.8	.1	.8	.7	6.5	18.8
NNW	.0	.3	.3	2.7	.2	1.8	.3	2.6	.5	4.6	.5	4.5	.4	3.6	2.2	20.2	22.6
CALM	.2	1.9													.2	1.9	
TOTAL	.6	5.1	3.1	28.5	1.4	12.9	1.8	16.8	2.0	18.0	1.2	10.7	.9	8.0	10.9	100	17.2

CEILING-VISIBILITY

WIND GRAPH



GFK GRAND FORKS, ND

CLASS 2 / NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GFK GRAND FORKS, ND

PERIOD: 1949-1978

CLASS 2 / NIGHT

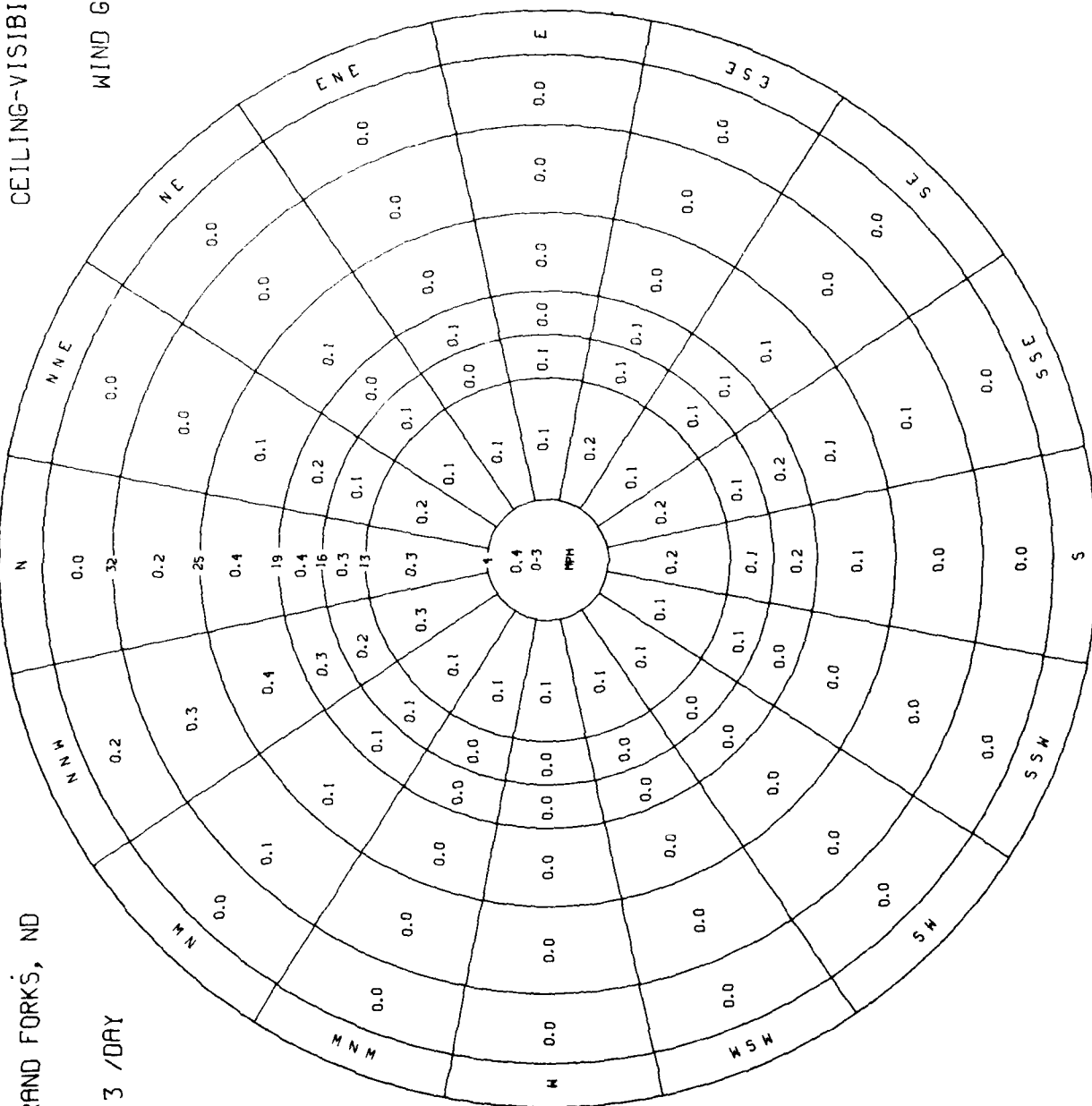
STATION NUMBER: 14916

NO. OBS.: 2131

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.3	.4	3.7	.2	2.3	.4	3.6	.5	4.4	.2	2.2	.2	1.5	1.9 17.8
NNE	.0	.2	.3	2.6	.1	.8	.1	1.0	.1	1.1	.1	.8	.0	.0	.7 6.6
NNE	.0	.1	.2	1.6	.1	.7	.0	.4	.0	.4	.0	.1	.0	.0	.4 3.3
ENE	.0	.1	.1	1.2	.0	.3	.1	.5	.1	.5	.0	.1	.0	.1	.3 2.8
E	.0	.2	.3	2.4	.1	.6	.1	.5	.0	.2	.0	.1	.0	.0	.4 4.0
ESE	.0	.1	.2	1.5	.1	.8	.0	.3	.1	.5	.0	.2	.0	.0	.4 3.3
SE	.0	.1	.3	2.9	.1	.6	.0	.4	.0	.3	.0	.2	.0	.0	.5 4.5
SSE	.0	.4	.4	3.8	.2	1.7	.2	1.8	.1	1.1	.1	.5	.0	.1	1.0 9.4
S	.0	.3	.4	3.3	.1	1.4	.2	1.6	.1	.7	.0	.2	.0	.0	.8 7.5
SSW	.0	.3	.2	1.9	.0	.2	.1	.5	.0	.0	.0	.0	.0	.0	.3 3.0
SW	.0	.2	.1	.7	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1 1.3
WSW	.0	.2	.1	.5	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1 .9
W	.0	.0	.1	1.2	.0	.2	.0	.1	.0	.1	.0	.1	.0	.1	.2 2.0
WNW	.0	.2	.1	1.3	.0	.1	.0	.4	.1	.6	.0	.3	.0	.0	.3 2.9
NW	.0	.2	.2	1.7	.1	.8	.1	1.2	.1	1.1	.1	1.2	.1	1.2	.8 7.4
NNW	.0	.1	.3	2.9	.1	1.3	.3	3.0	.5	4.9	.5	4.6	.4	3.4	2.2 20.3
CALM	.3	3.0													.3 3.0
TOTAL	.7	6.3	3.6	33.1	1.3	11.9	1.7	15.3	1.8	16.2	1.2	10.7	.7	6.5	10.9 100 16.1

CEILING-VISIBILITY

WIND GRAPH



GFK GRAND FORKS, ND

CLASS 3 /DAY

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1949-1978

STATION NAME: GFK GRAND FORKS, ND

CLASS 3 / DAY

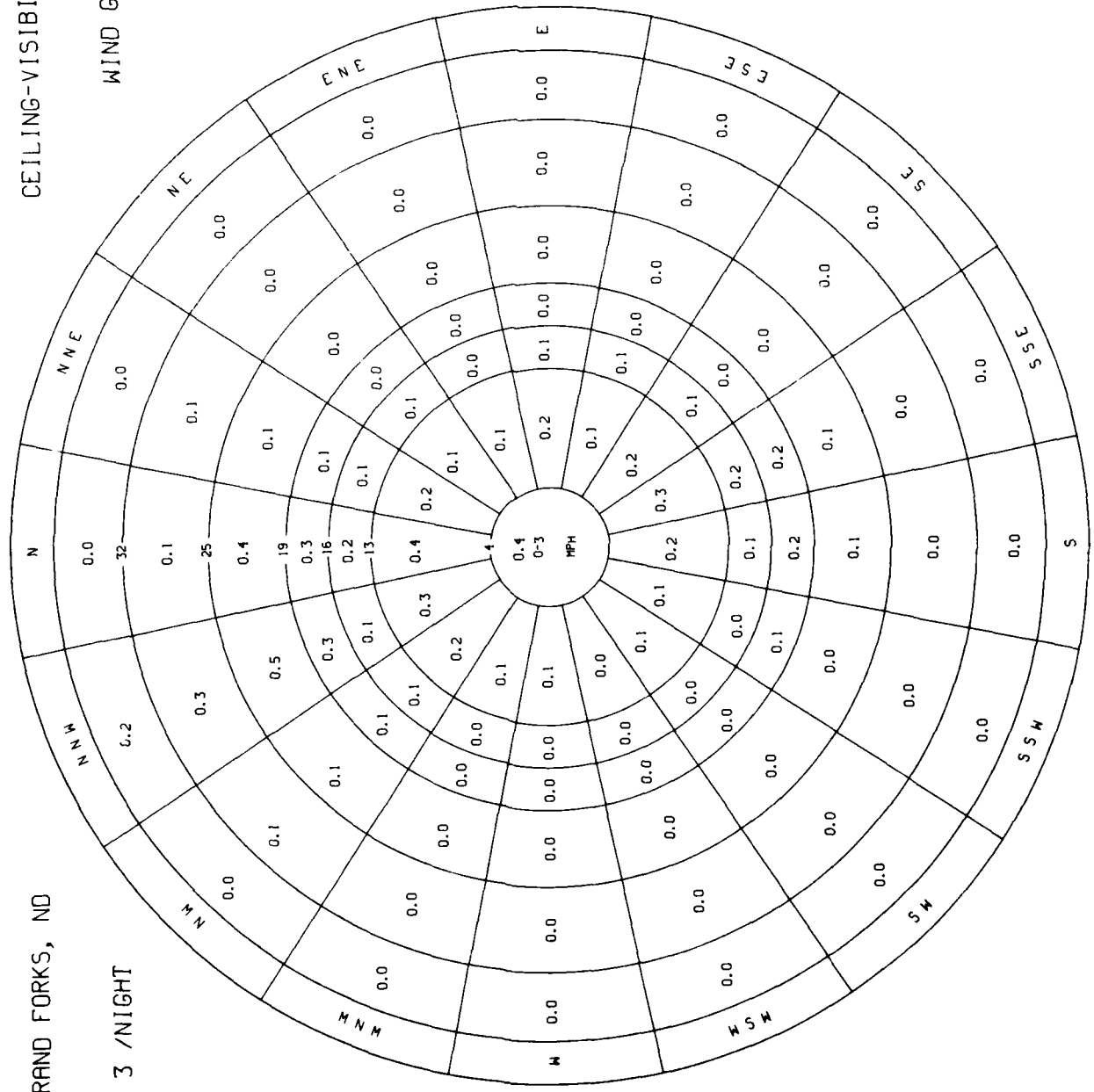
NO. OBS.: 2093

STATION NUMBER: 14916

D I R	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.2	.3	3.3	.3	3.7	.4	4.7	.4	4.7	.2	2.2	.0	.5	1.7	19.4	17.8
NNE	.0	.1	.2	2.3	.1	1.1	.2	1.8	.1	1.3	.0	.6	.0	.0	.6	7.2	15.4
NNE	.0	.0	.1	1.7	.1	.7	.0	.5	.1	.6	.0	.0	.0	.1	.3	3.7	14.6
ENE	.0	.3	.1	1.6	.0	.3	.1	.7	.0	.6	.0	.2	.0	.1	.3	3.8	14.1
E	.0	.4	.1	1.6	.1	.8	.0	.5	.0	.6	.0	.1	.0	.0	.3	4.0	12.6
ESE	.0	.1	.2	2.1	.1	.8	.1	.8	.0	.3	.0	.0	.0	.0	.4	4.2	13.1
SE	.0	.3	.1	1.5	.1	.8	.1	1.1	.1	.6	.0	.1	.0	.0	.4	4.4	13.7
SSE	.0	.2	.2	2.9	.1	1.1	.2	2.1	.1	1.3	.1	.6	.0	.2	.7	8.5	15.5
S	.0	.0	.2	2.4	.1	.9	.2	1.9	.1	1.0	.0	.3	.0	.0	.6	6.5	14.8
SSW	.0	.3	.1	1.1	.1	.6	.0	.4	.0	.2	.0	.1	.0	.1	.3	2.9	13.9
SW	.0	.1	.1	.6	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	.9	10.4
WSW	.0	.0	.1	.9	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	1.0	9.0
W	.0	.1	.1	1.7	.0	.2	.0	.1	.0	.2	.0	.0	.0	.2	.2	2.7	13.0
WNW	.0	.1	.1	1.1	.0	.2	.0	.5	.0	.5	.0	.6	.0	.5	.3	3.4	19.2
NW	.0	.2	.1	1.7	.1	1.0	.1	.9	.1	1.4	.1	.8	.0	.4	.5	6.3	17.4
NNW	.0	.3	.3	3.1	.2	2.0	.3	3.1	.4	5.1	.3	3.9	.2	2.0	1.7	19.4	20.6
CALM	.1	1.6													.1	1.6	
TOTAL	.4	4.6	2.6	29.5	1.2	14.4	1.6	19.0	1.6	18.7	.8	9.7	.4	4.2	8.7	100	16.3

CEILING-VISIBILITY

WIND GRAPH



GFK GRAND FORKS, ND

CLASS 3 / NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1949-1978

STATION NAME: GFK GRAND FORKS, ND

CLASS 3 / NIGHT

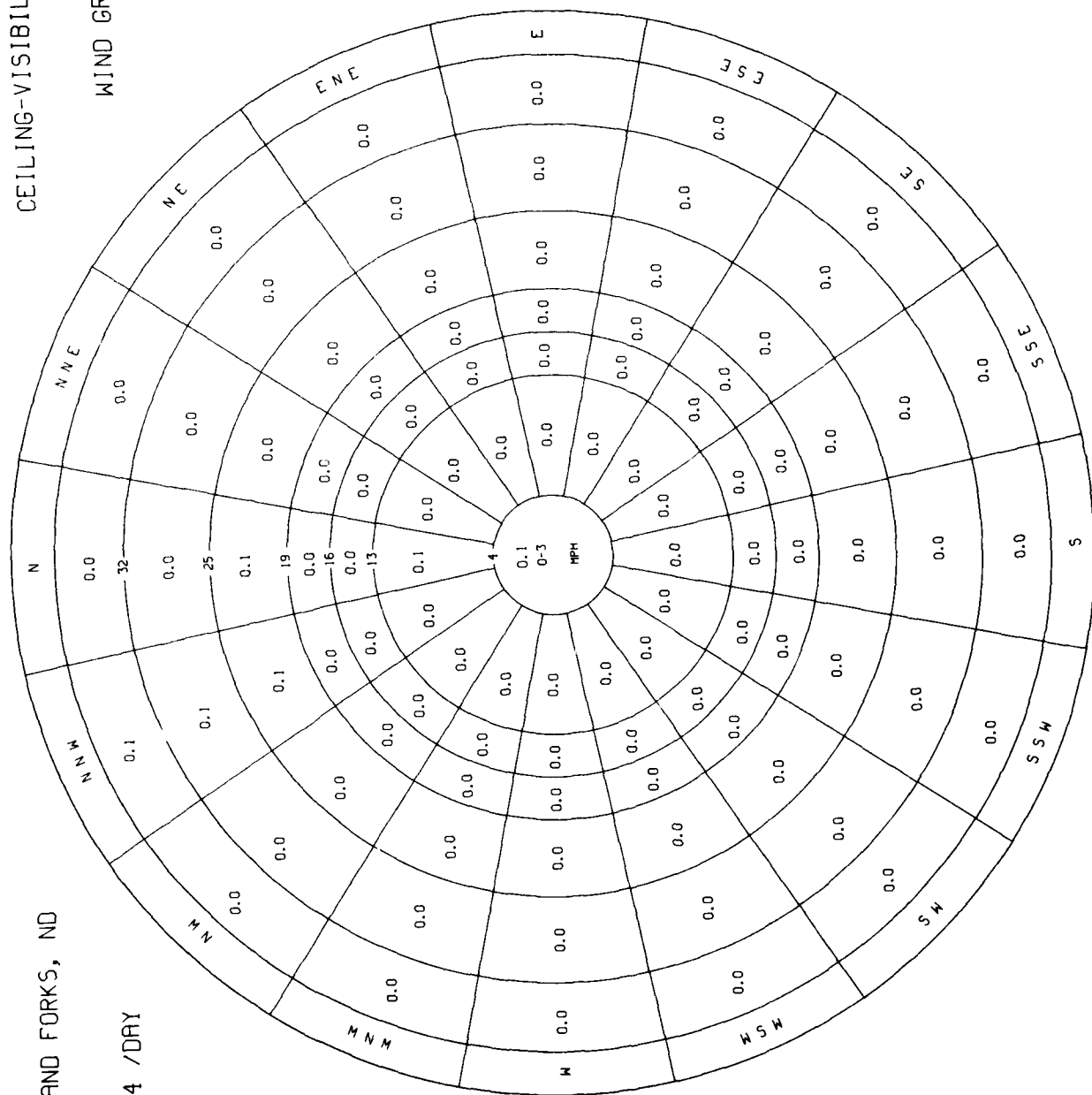
NO. OBS.: 1640

STATION NUMBER: 14916

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.0	.2	.4	4.2	.2	2.8	.3	4.1	.4	4.9	.1	1.3	.0	.5	1.5	18.2	17.1
NNE	.0	.2	.2	2.6	.1	.6	.1	1.0	.1	1.2	.1	.7	.0	.1	.5	6.3	15.2
NE	.0	.1	.1	1.6	.1	.7	.0	.3	.0	.4	.0	.2	.0	.0	.3	3.2	13.2
ENE	.0	.1	.1	1.3	.0	.4	.0	.5	.0	.4	.0	.1	.0	.1	.2	2.9	14.0
E	.0	.2	.2	2.6	.1	.7	.0	.4	.0	.2	.0	.1	.0	.0	.3	4.1	11.3
ESE	.0	.2	.1	1.6	.1	.9	.0	.4	.0	.5	.0	.1	.0	.0	.3	3.6	13.2
SE	.0	.1	.2	3.0	.1	.8	.0	.4	.0	.4	.0	.2	.0	.0	.4	4.9	12.1
SSE	.0	.4	.3	3.4	.2	1.8	.2	1.8	.1	1.5	.0	.5	.0	.1	.8	9.4	14.3
S	.0	.2	.2	3.0	.1	1.5	.2	1.9	.1	.9	.0	.2	.0	.0	.6	7.6	13.9
SSW	.0	.1	.1	1.6	.0	.2	.1	.6	.0	.1	.0	.1	.0	.1	.2	2.8	11.4
SW	.0	.2	.1	.7	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.1	1.3	9.3
WSW	.0	.1	.0	.4	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.1	.8	10.6
W	.0	.0	.1	1.1	.0	.3	.0	.1	.0	.2	.0	.1	.0	.0	.1	1.8	12.3
WNW	.0	.2	.1	1.3	.0	.1	.0	.5	.0	.4	.0	.4	.0	.1	.2	2.9	14.7
NW	.0	.2	.2	2.0	.1	.9	.1	1.4	.1	1.3	.1	1.0	.0	.5	.6	7.3	17.9
NNW	.0	.2	.3	3.3	.1	1.5	.3	3.5	.5	5.9	.3	4.1	.2	1.9	1.7	20.4	20.6
CALM	.2	2.3													.2	2.3	
TOTAL	.4	5.0	2.8	33.5	1.1	13.6	1.4	17.1	1.5	18.4	.8	9.1	.3	3.3	8.4	100	15.5

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1949-1978

STATION NAME: GFK GRAND FORKS, ND

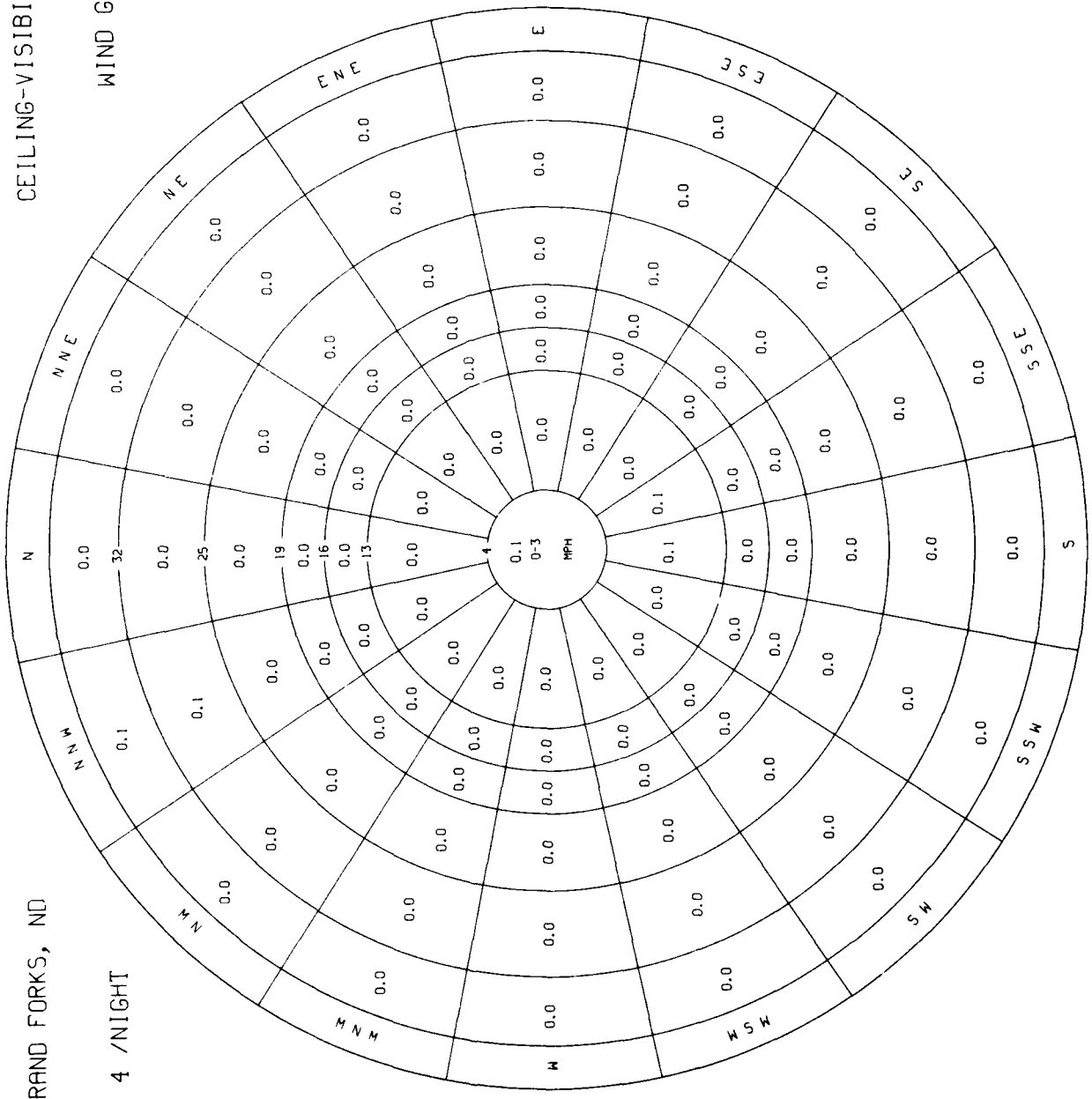
CLASS 4 / DAY

NO. OBS.: 329

STATION NUMBER: 14916

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.0	.1	4.6	.0	1.2	.0	2.7	.1	6.4	.0	2.1	.0	1.8	.3 18.8
NNE	.0	.0	.0	.9	.0	1.2	.0	.9	.0	1.8	.0	.6	.0	.0	.1 5.5
NNE	.0	.3	.0	1.2	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0 2.7
ENE	.0	.0	.0	.6	.0	.6	.0	.6	.0	.9	.0	.9	.0	.0	.0 3.6
E	.0	.3	.0	.9	.0	.6	.0	.3	.0	1.5	.0	.0	.0	.0	.0 3.6
ESE	.0	.3	.0	1.2	.0	.3	.0	1.2	.0	.3	.0	.3	.0	.0	.0 3.6
SE	.0	.0	.0	2.4	.0	.3	.0	.6	.0	.6	.0	.3	.0	.3	.1 4.6
SSE	.0	1.5	.0	3.6	.0	1.8	.0	1.5	.0	.9	.0	1.2	.0	.6	.2 11.2
S	.0	.6	.0	1.5	.0	.9	.0	1.5	.0	.9	.0	.3	.0	.0	.1 5.8
SSW	.0	.3	.0	1.5	.0	.9	.0	.0	.0	.0	.0	.3	.0	.6	.0 3.6
SW	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 9
WSW	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3
W	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	.0 2.4
WNW	.0	.0	.0	.3	.0	.3	.0	.0	.0	.0	.0	.3	.0	.9	.0 1.8
NW	.0	.6	.0	.6	.0	.3	.0	.6	.0	2.1	.0	.6	.0	1.2	.1 6.1
NNW	.0	.0	.0	1.2	.0	1.2	.0	.9	.1	4.3	.1	8.5	.1	7.0	.3 23.1
CALM	.0	2.1													.0 2.1
TOTAL	.1	6.1	.3	23.1	.1	10.3	.2	11.6	.3	19.8	.2	15.5	.2	13.7	1.4 100

CEILING-VISIBILITY
WIND GRAPH



GFK GRAND FORKS, ND
CLASS 4 / NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1949-1978

STATION NAME: GFK GRAND FORKS, ND

CLASS 4 / NIGHT

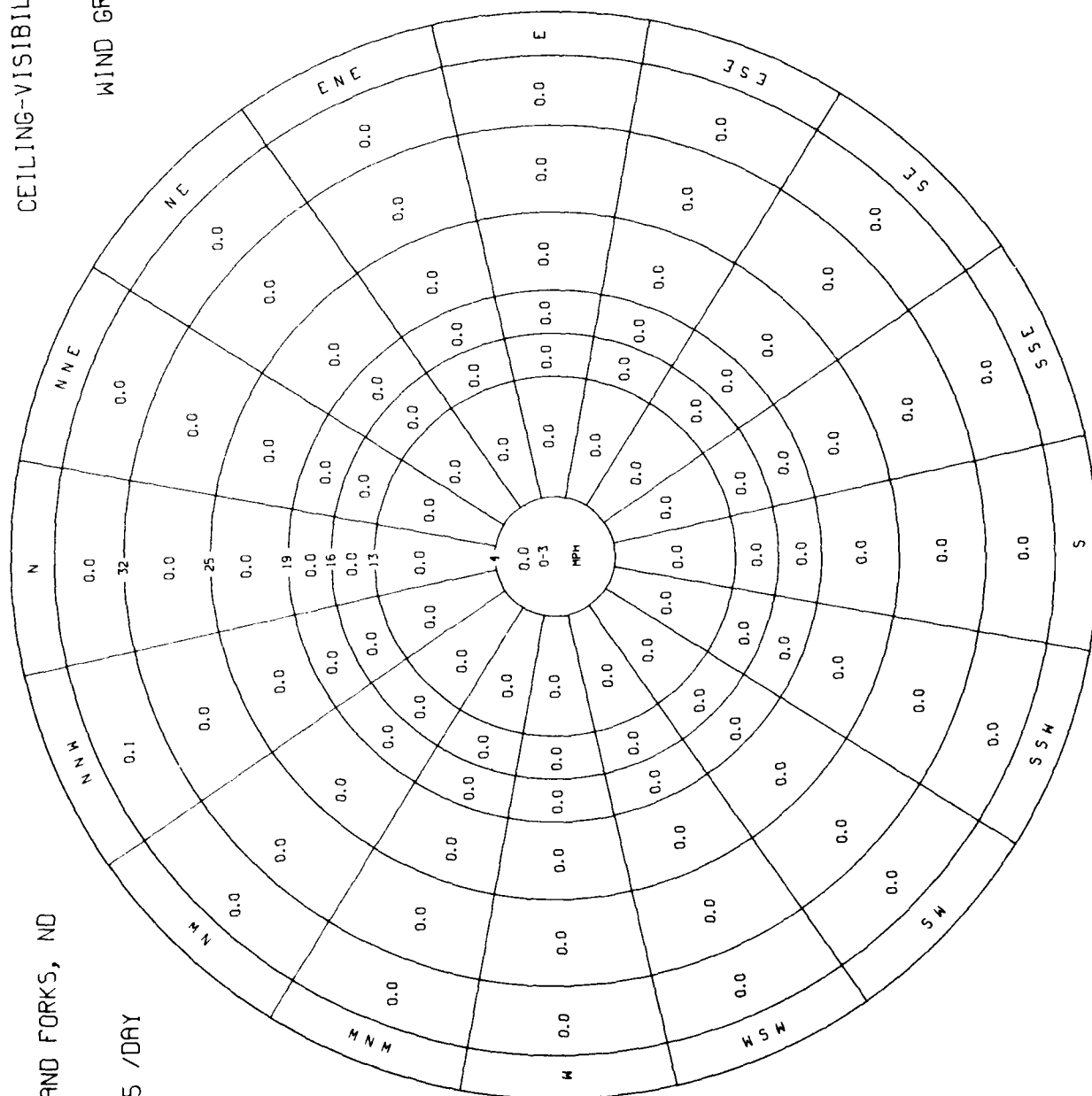
NO. OBS.: 267

STATION NUMBER: 14916

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D
N	.0	.4	.0	2.2	.0	.0	.0	3.4	.0	3.0	.0	3.4	.0	1.5	.2	13.9	21.0
NNE	.0	.7	.0	2.2	.0	1.9	.0	1.9	.0	1.1	.0	1.1	.0	.0	.1	9.0	15.1
NE	.0	.4	.0	2.2	.0	1.1	.0	.7	.0	.4	.0	.0	.0	.0	.1	4.9	10.9
ENE	.0	.4	.0	.4	.0	.0	.0	.4	.0	1.5	.0	.4	.0	.4	.0	3.4	19.1
E	.0	.7	.0	1.9	.0	.4	.0	1.1	.0	.4	.0	.4	.0	.0	.1	4.9	11.9
ESE	.0	.0	.0	1.5	.0	.4	.0	.0	.0	.4	.0	1.1	.0	.0	.0	3.4	16.6
SE	.0	.0	.0	3.0	.0	.0	.0	.4	.0	.0	.0	.4	.0	.4	.1	3.7	10.2
SSE	.0	.0	.1	4.5	.0	1.9	.0	3.0	.0	.0	.0	.4	.0	.4	.1	10.1	14.2
S	.0	.4	.1	4.1	.0	1.5	.0	1.1	.0	.4	.0	.4	.0	.0	.1	7.9	11.4
SSW	.0	.7	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.7	7.0
SW	.0	.0	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	13.0
WSW	.0	.4	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	7.0
W	.0	.4	.0	1.5	.0	.0	.0	.4	.0	.0	.0	.0	.0	.7	.0	3.0	15.2
WNW	.0	.0	.0	1.9	.0	.0	.0	.4	.0	1.1	.0	.0	.0	.0	.0	3.4	12.3
NW	.0	.7	.0	.7	.0	.4	.0	.7	.0	.4	.0	1.9	.0	1.1	.1	6.0	20.9
NNW	.0	.0	.0	.4	.0	1.1	.0	1.9	.0	3.0	.1	6.4	.1	4.9	.2	17.6	26.5
CALM	.0	3.4													.0	3.4	
TOTAL	.1	8.6	.4	30.7	.1	9.0	.2	15.4	.2	11.6	.2	15.7	.1	9.0	1.4	100	16.5

WIND GRAPH

CLASS 5 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1949-1978

STATION NAME: GFK GRAND FORKS, ND

CLASS 5 / DAY

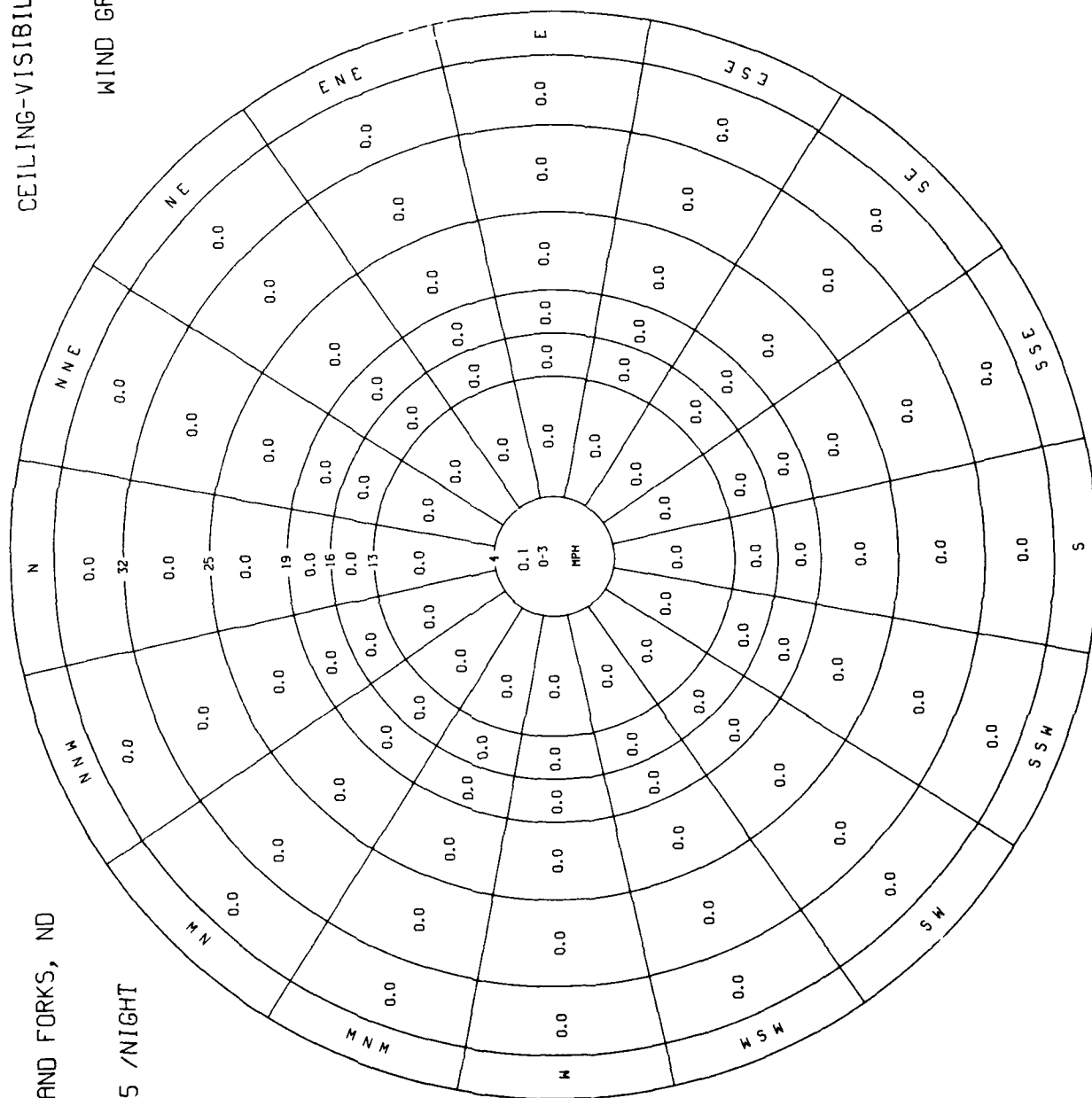
NO. OBS.: 111

STATION NUMBER: 14916

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D
N	.0	.9	.0	3.6	.0	.0	.0	2.7	.0	6.3	.0	5.4	.0	6.3	.1	25.2	23.6
NNE	.0	.0	.0	2.7	.0	.0	.0	.0	.0	.9	.0	.9	.0	.9	.0	5.4	18.5
NE	.0	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	6.0
ENE	.0	.0	.0	.0	.0	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	1.8	17.0
E	.0	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	6.0
ESE	.0	.0	.0	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	9.3
SE	.0	.0	.0	2.7	.0	.9	.0	.0	.0	.9	.0	.9	.0	.0	.0	5.4	14.5
SSE	.0	1.8	.0	5.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.0	8.1	10.0
S	.0	.0	.0	4.5	.0	.0	.0	.0	.0	1.8	.0	.0	.0	.9	.0	7.2	14.7
SSW	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	5.0
SW	.0	.0	.0	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	7.3
WSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.9	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	3.7
WNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	.0	1.8	33.5
NW	.0	.0	.0	2.7	.0	.0	.0	.0	.0	.9	.0	2.7	.0	1.8	.0	8.1	24.3
NNW	.0	.0	.0	.9	.0	1.8	.0	.9	.0	.0	.0	4.5	.1	12.6	.1	20.7	30.6
CALM	.0	3.6													.0	3.6	
TOTAL	.0	7.2	.2	34.2	.0	2.7	.0	5.4	.0	10.8	.1	14.4	.1	25.2	.5	100	19.6

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GFK GRAND FORKS, ND

PERIOD: 1949-1978

CLASS 5 / NIGHT

STATION NUMBER: 14916

NO. OBS.: 116

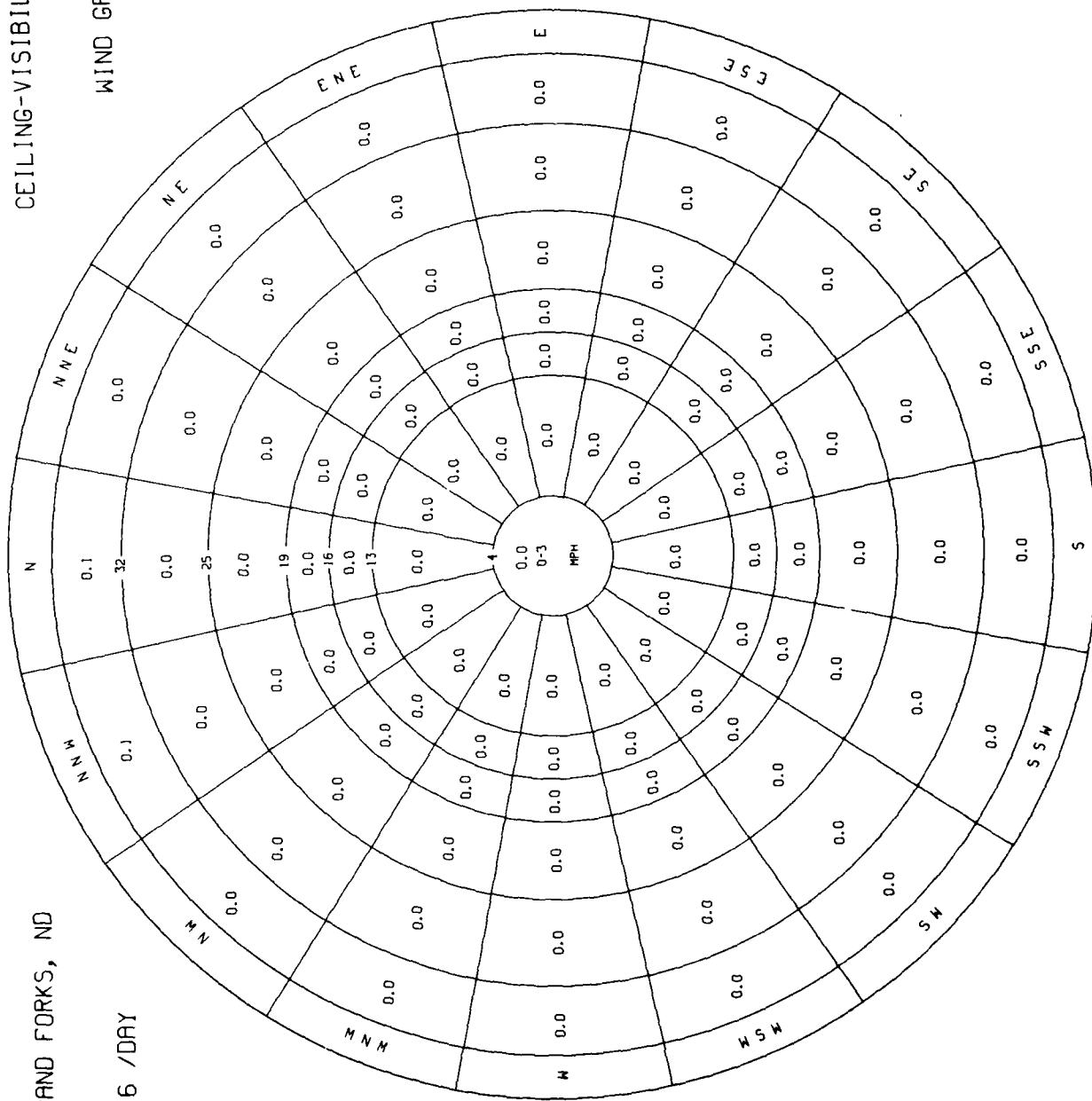
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C
N	.0	.9	.0	2.6	.0	1.7	.0	.0	.0	3.4	.0	6.9	.0	5.2	.1	20.7	23.9
NNE	.0	.0	.0	2.6	.0	.0	.0	.0	.0	.9	.0	1.7	.0	.0	.0	5.2	15.7
NE	.0	.0	.0	2.6	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	3.4	10.0
ENE	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	9.5
E	.0	.0	.0	1.7	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	2.6	9.7
ESE	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	8.0
SE	.0	.0	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	7.3
SSE	.0	.9	.0	6.9	.0	.9	.0	.9	.0	.0	.0	.9	.0	.0	.1	10.3	10.2
S	.0	.0	.0	6.0	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	6.9	8.1
SSW	.0	.9	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	6.0
SW	.0	.9	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	6.3
WSW	.0	.9	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	4.7
W	.0	.0	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	5.7
WNW	.0	.9	.0	.9	.0	.0	.0	.0	.0	.9	.0	.0	.0	.0	.0	2.6	10.7
NW	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.9	.0	1.7	.0	6.9	.1	11.2	29.0
NNW	.0	.0	.0	4.3	.0	.0	.0	.0	.0	.0	.0	5.2	.0	6.9	.1	16.4	27.9
CALM	.0	5.2													.0	5.2	
TOTAL	.1	10.3	.2	42.2	.0	2.6	.0	3.4	.0	6.0	.1	16.4	.1	19.0	.6	100	17.0

CEILING-VISIBILITY

WIND GRAPH

GFK GRAND FORKS, ND

CLASS 6 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GFK GRAND FORKS, ND

PERIOD: 1949-1978

CLASS 6 / DAY

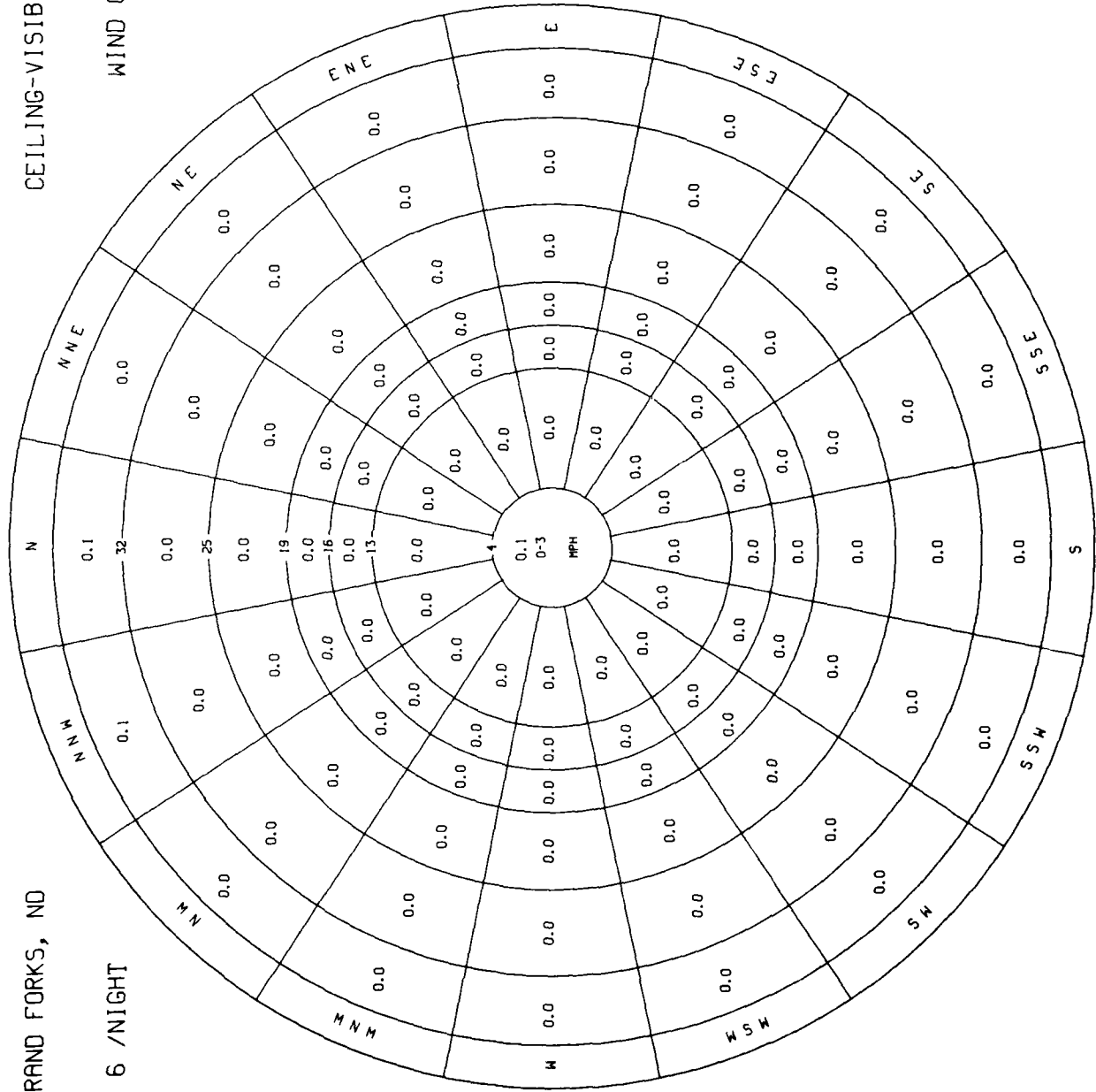
STATION NUMBER: 14916

NO. OBS.: 93

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C
N	.0	1.1	.0	2.2	.0	1.1	.0	.0	.0	3.2	.0	6.5	.1	23.7	.1	37.6	34.0
NNE	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0	1.1	.0	5.4	17.0
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
ENE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	6.5
SSE	.0	.0	.0	1.1	.0	.0	.0	.0	.0	1.1	.0	.0	.0	.0	.0	2.2	14.5
S	.0	.0	.0	6.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.5	7.7
SSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	5.0
WSW	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	5.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
WNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0	.0	.0	1.1	.0	2.2	28.0
NW	.0	1.1	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.5	.0	10.8	26.9
NNW	.0	.0	.0	2.2	.0	.0	.0	.0	1.1	.0	.0	.0	4.3	.1	18.3	.1	25.8
CALM	.0	5.4													.0	5.4	
TOTAL	.0	10.8	.1	18.3	.0	1.1	.0	1.1	.0	5.4	.0	11.8	.2	51.6	.4	100	26.9

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GFK GRAND FORKS, ND

PERIOD: 1949-1978

CLASS 6 / NIGHT

STATION NUMBER: 14916

NO. OBS.: 108

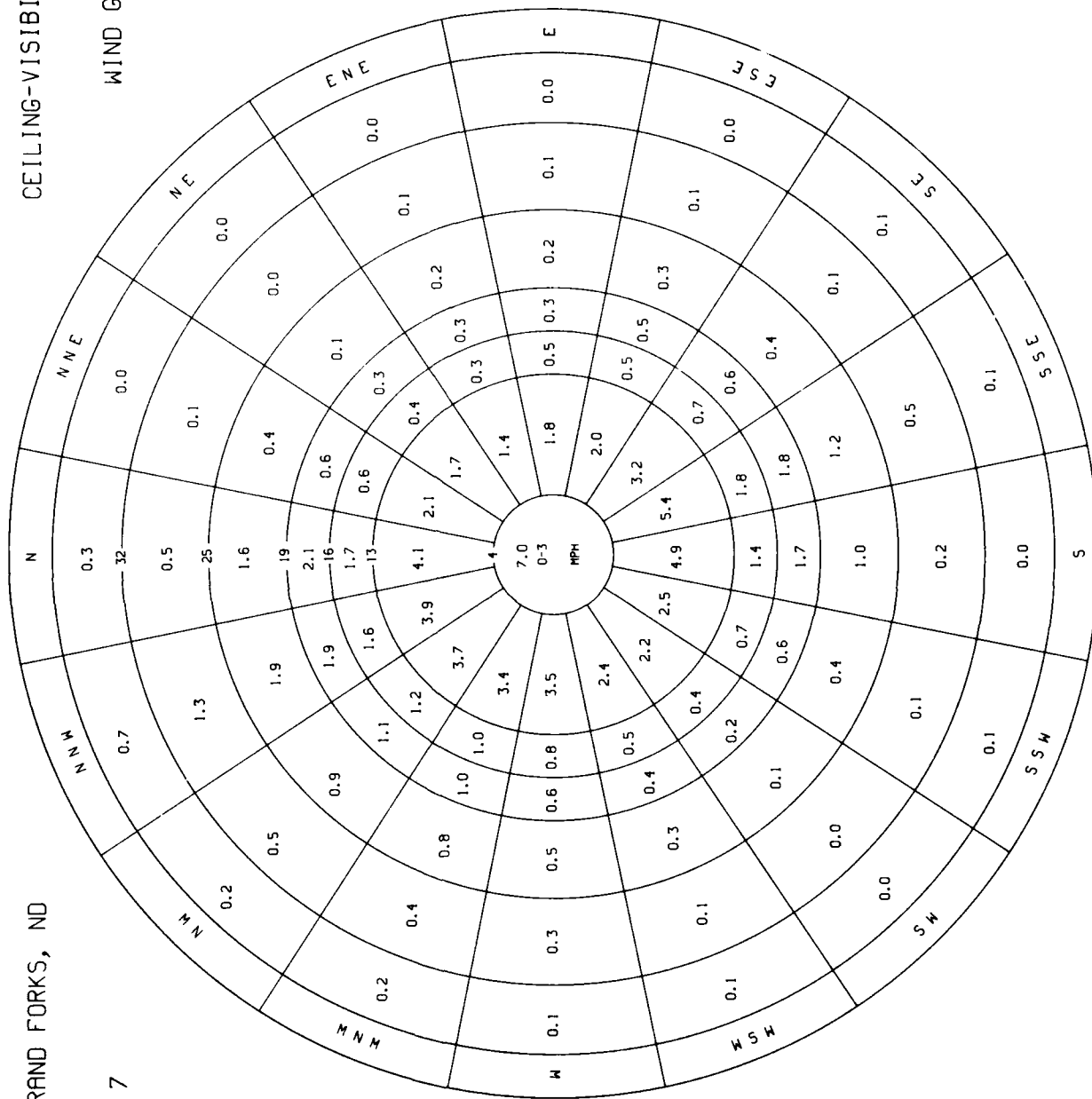
D I R	SPEED GROUPS (MPH)																AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL			
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D		
N	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.7	.4	.1	11.1	.1	19.4	32.9
NNE	.0	.0	.0	3.7	.0	.9	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	5.6	9.7
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.9	22.0
ENE	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	12.0
E	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	5.5
ESE	.0	.0	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	14.0
SE	.0	.9	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	4.5
SSE	.0	1.9	.0	5.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.4	5.6
S	.0	1.9	.0	2.8	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.6	6.3
SSW	.0	.9	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	6.0
SW	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	8.0
WSW	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	2.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.0	.0	.9	.0	1.9	34.0
WNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	1.9	23.0
NW	.0	.0	.0	.9	.0	.0	.0	.0	.0	.9	.0	.9	.0	.9	.0	5.6	8.3	30.5
NNW	.0	.0	.0	1.9	.0	.0	.0	.9	.0	.9	.0	6.5	.1	18.5	.2	28.7	34.2	
CALM	.1	9.3													.1	9.3		
TOTAL	.1	15.7	.1	23.1	.0	2.8	.0	1.9	.0	4.6	.1	15.7	.2	36.1	.6	100		22.1

CEILING-VISIBILITY

WIND GRAPH

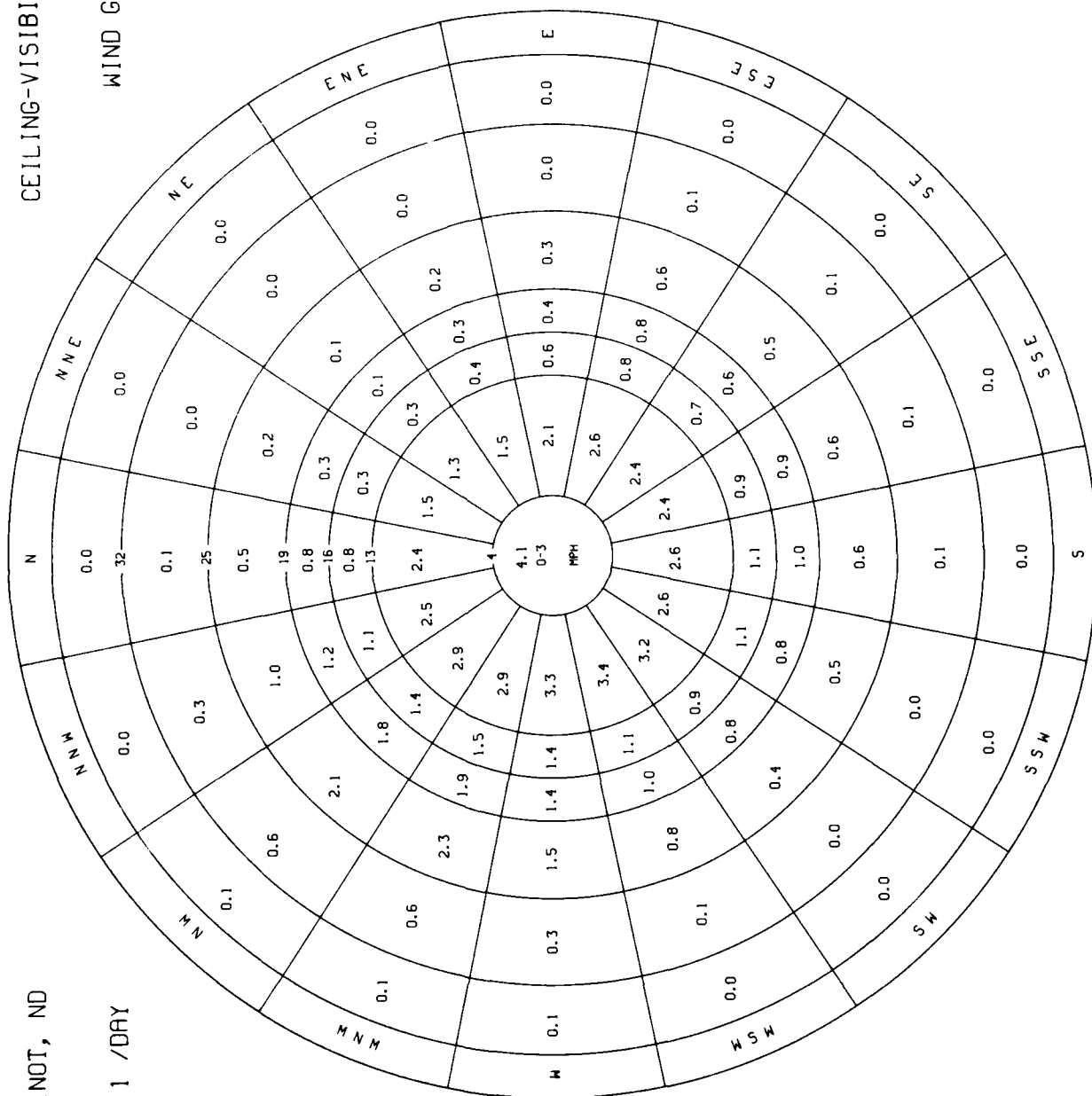
GFK GRAND FORKS, ND

CLASS 7



CEILING-VISIBILITY
WIND GRAPH

MOT MINOT, ND
CLASS 1 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1949-1978

STATION NAME: MOT MINOT, ND

CLASS 1 / DAY

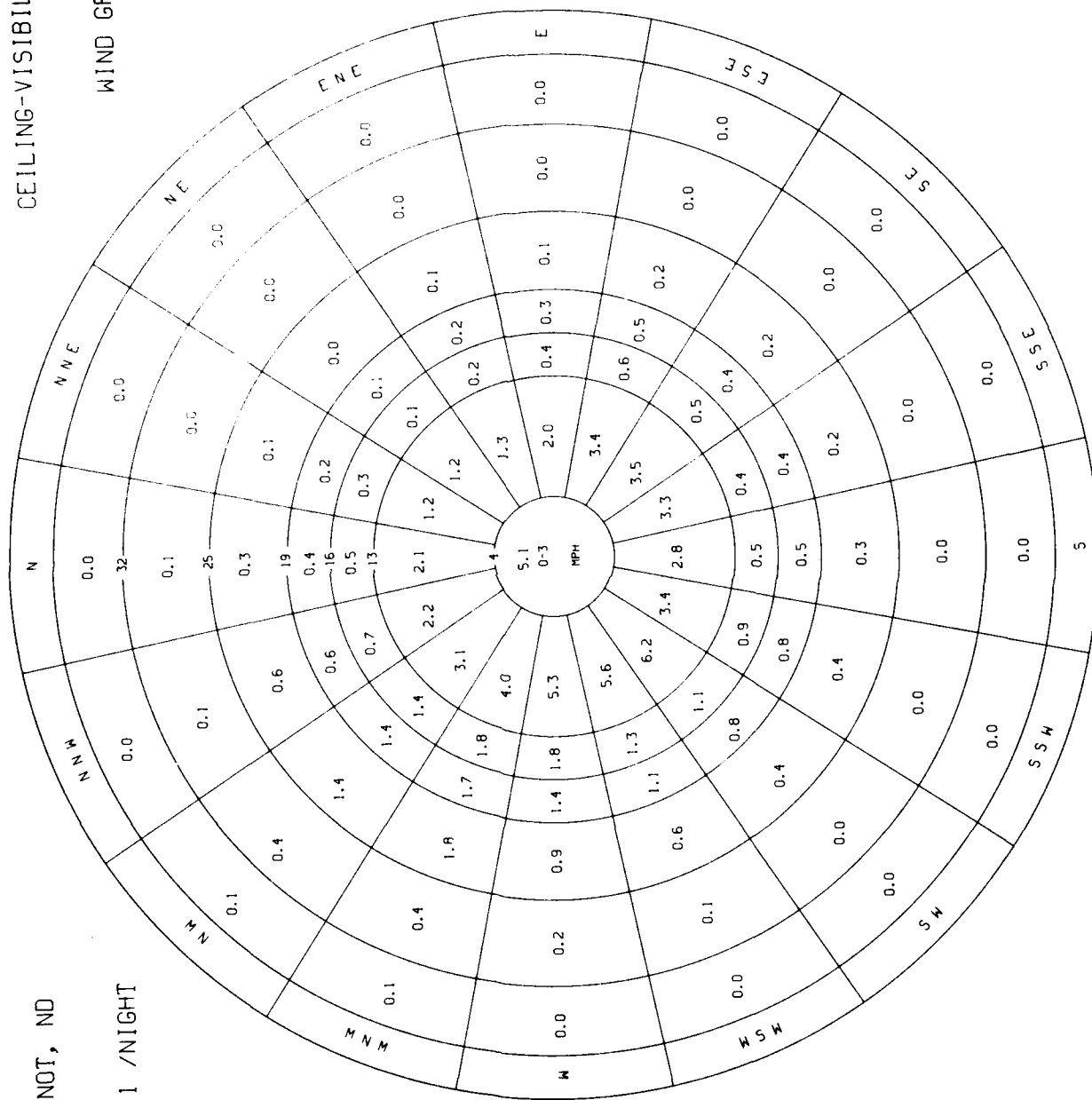
NO. OBS.: 42342

STATION NUMBER: 24013

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
															C		D
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			
N	.1	.1	2.4	2.8	.8	.9	.8	.9	.5	.5	.1	.1	.0	.0	4.6	5.3	12.5
NNE	.1	.1	1.5	1.8	.3	.4	.3	.4	.2	.2	.0	.0	.0	.0	2.6	2.9	11.4
NE	.1	.1	1.3	1.5	.3	.3	.1	.2	.1	.1	.0	.0	.0	.0	2.0	2.3	10.5
ENE	.1	.2	1.5	1.7	.4	.4	.3	.3	.2	.2	.0	.0	.0	.0	2.5	2.9	11.1
E	.1	.2	2.1	2.3	.6	.6	.4	.5	.3	.3	.0	.0	.0	.0	3.5	4.0	11.4
ESE	.2	.2	2.6	3.0	.8	1.0	.8	.9	.6	.6	.1	.1	.0	.0	5.1	5.8	12.4
SE	.2	.2	2.4	2.8	.7	.8	.6	.7	.5	.6	.1	.1	.0	.0	4.6	5.2	12.2
SSE	.1	.1	2.4	2.7	.9	1.1	.9	1.0	.6	.7	.1	.1	.0	.0	5.0	5.7	12.8
S	.1	.2	2.6	2.9	1.1	1.3	1.0	1.1	.6	.7	.1	.1	.0	.0	5.5	6.3	12.9
SSW	.1	.1	2.6	3.0	1.1	1.2	.8	.9	.5	.6	.0	.0	.0	.0	5.2	5.9	12.5
SW	.2	.2	3.2	3.6	.9	1.0	.8	.9	.4	.5	.0	.0	.0	.0	5.5	6.2	11.6
WSW	.2	.2	3.4	3.9	1.1	1.3	1.0	1.2	.8	.9	.1	.1	.0	.0	6.7	7.6	12.9
W	.1	.2	3.3	3.8	1.4	1.6	1.4	1.6	1.5	1.7	.3	.4	.1	.1	8.1	9.3	14.4
WNW	.1	.1	2.9	3.3	1.5	1.8	1.9	2.2	2.3	2.6	.6	.7	.1	.2	9.5	10.9	16.1
NW	.1	.1	2.9	3.3	1.4	1.6	1.8	2.1	2.1	2.4	.6	.7	.1	.1	9.1	10.4	15.8
NNW	.1	.1	2.5	2.8	1.1	1.3	1.2	1.4	1.0	1.2	.3	.3	.0	.0	6.2	7.1	14.4
CALM	2.0	2.2											.4	.5	87.5	100	13.1
TOTAL	4.1	4.7	39.6	45.3	14.5	16.6	14.2	16.2	12.2	14.0	2.5	2.8					

CEILING-VISIBILITY

WIND GRAPH



MOT MINOT, ND

CLASS 1 /NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1949-1978

STATION NAME: MDT MINOT, ND

CLASS 1 / NIGHT

NO. OBS.: 34578

STATION NUMBER: 24013

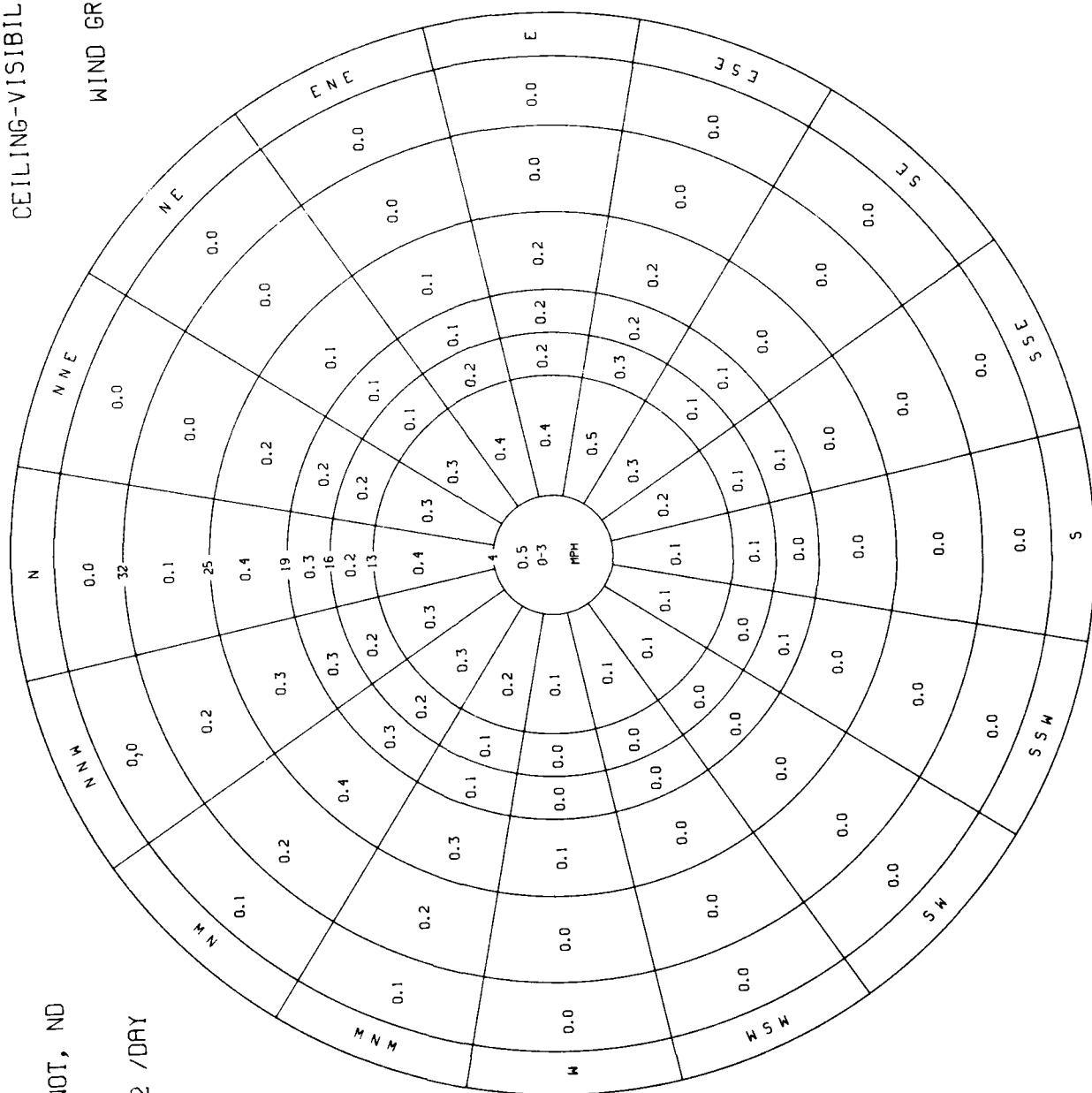
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D
N	.1	.1	2.1	2.4	.5	.6	.4	.4	.3	.3	.1	.1	.0	.0	3.5	4.0	11.5
NNE	.1	.1	1.2	1.4	.3	.3	.2	.2	.1	.2	.0	.0	.0	.0	1.9	2.2	10.7
NE	.1	.2	1.2	1.3	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	1.5	1.7	8.6
ENE	.1	.1	1.3	1.5	.2	.3	.2	.2	.1	.1	.0	.0	.0	.0	2.0	2.2	10.1
E	.1	.2	2.0	2.3	.4	.5	.3	.3	.1	.2	.0	.0	.0	.0	3.0	3.4	10.3
ESE	.1	.2	3.4	3.9	.6	.7	.5	.5	.2	.3	.0	.0	.0	.0	4.8	5.5	10.3
SE	.2	.2	3.5	3.9	.5	.6	.4	.4	.2	.2	.0	.0	.0	.0	4.7	5.4	9.8
SSE	.2	.2	3.3	3.7	.4	.5	.4	.4	.2	.2	.0	.0	.0	.0	4.5	5.1	9.9
S	.2	.2	2.8	3.2	.5	.6	.5	.6	.3	.3	.0	.0	.0	.0	4.3	4.9	10.8
SSW	.2	.2	3.4	3.9	.9	1.0	.8	.9	.4	.4	.0	.0	.0	.0	5.7	6.5	11.4
SW	.3	.3	6.2	7.1	1.1	1.3	.8	.9	.4	.4	.0	.0	.0	.0	8.9	10.1	10.4
WSW	.2	.2	5.6	6.3	1.3	1.5	1.1	1.2	.6	.7	.1	.1	.0	.0	8.9	10.1	11.5
W	.2	.2	5.3	6.0	1.8	2.1	1.4	1.5	.9	1.0	.2	.2	.0	.0	9.7	11.0	12.6
WNW	.1	.1	4.0	4.5	1.8	2.0	1.7	1.9	1.8	2.0	.4	.5	.1	.1	9.8	11.1	14.6
NW	.1	.2	3.1	3.5	1.4	1.5	1.4	1.6	1.4	1.6	.4	.4	.1	.1	7.9	9.0	14.7
NNW	.1	.1	2.2	2.4	.7	.8	.6	.7	.6	.7	.1	.1	.0	.0	4.3	4.8	13.0
CALM	2.6	3.0													2.6	3.0	
TOTAL	5.1	5.8	50.5	57.4	12.6	14.3	10.4	11.9	7.7	8.8	1.4	1.6	.2	.3	88.1	100	11.4

CEILING-VISIBILITY

WIND GRAPH

MOT MINOT, ND

CLASS 2 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1949-1978

STATION NAME: MDT MINOT, ND

CLASS 2 / DAY

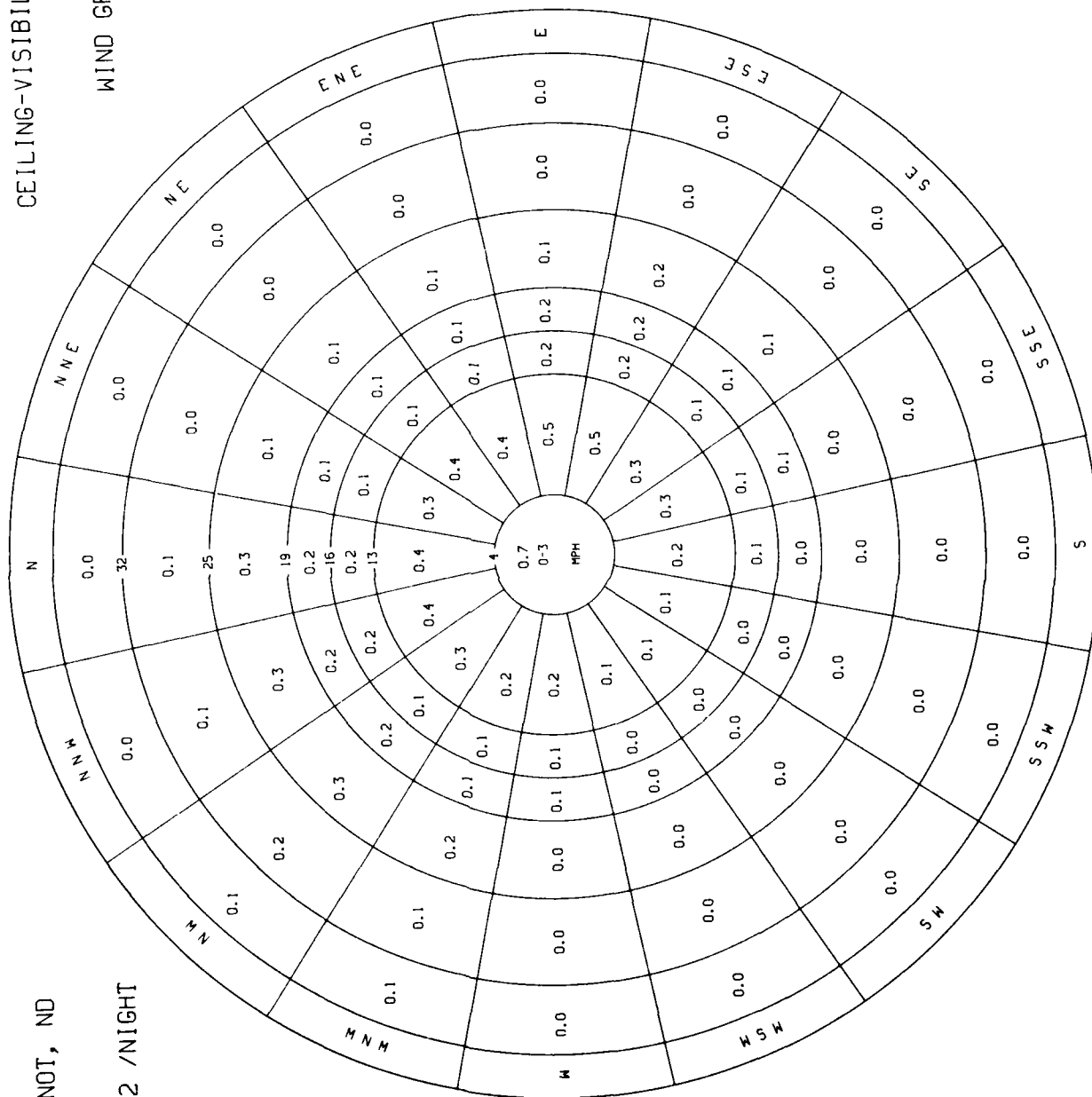
NO. OBS.: 6032

STATION NUMBER: 24013

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.1	.4	3.4	.2	1.9	.3	2.1	.4	2.8	.1	1.0	.0	.2	1.4 11.5
NNE	.0	.0	.3	2.3	.2	1.4	.2	1.6	.2	1.4	.0	.4	.0	.1	.9 7.3
NE	.0	.2	.3	2.6	.1	1.1	.1	1.0	.1	.6	.0	.2	.0	.0	.7 5.7
ENE	.0	.1	.4	3.2	.2	1.4	.1	1.1	.1	1.0	.0	.1	.0	.0	.9 6.9
E	.0	.1	.4	3.4	.2	1.9	.2	1.8	.2	1.5	.0	.1	.0	.0	1.1 8.9
ESE	.0	.1	.5	3.6	.3	2.0	.2	1.8	.2	1.7	.0	.3	.0	.0	1.2 9.5
SE	.0	.3	.3	2.1	.1	.8	.1	.8	.0	.4	.0	.1	.0	.0	.6 4.5
SSE	.0	.1	.2	1.8	.1	.7	.1	.7	.0	.3	.0	.0	.0	.0	.4 3.6
S	.0	.2	.1	1.0	.1	.4	.0	.3	.0	.2	.0	.0	.0	.0	.3 2.2
SSW	.0	.1	.1	1.0	.0	.4	.1	.5	.0	.1	.0	.0	.0	.0	.3 2.1
SW	.0	.1	.1	.7	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.2 1.3
WSW	.0	.0	.1	1.0	.0	.2	.0	.1	.0	.1	.0	.1	.0	.1	.2 1.7
W	.0	.2	.1	1.1	.0	.3	.0	.3	.1	.6	.0	.2	.0	.2	.4 3.0
WNW	.0	.1	.2	1.6	.1	.9	.1	1.0	.3	2.1	.2	1.2	.1	.6	.9 7.3
NW	.0	.1	.3	2.1	.2	1.3	.3	2.1	.4	3.0	.2	1.8	.1	1.1	1.4 11.5
NNW	.0	.1	.3	2.7	.2	1.9	.3	2.3	.3	2.6	.2	1.3	.0	.3	1.4 11.2
CALM	.2	1.8													.2 1.8
TOTAL	.5	3.6	4.2	33.7	2.1	16.9	2.2	17.6	2.3	18.4	.9	6.9	.3	2.8	12.5 100

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MOT MINOT, ND

PERIOD: 1949-1978

CLASS 2 / NIGHT

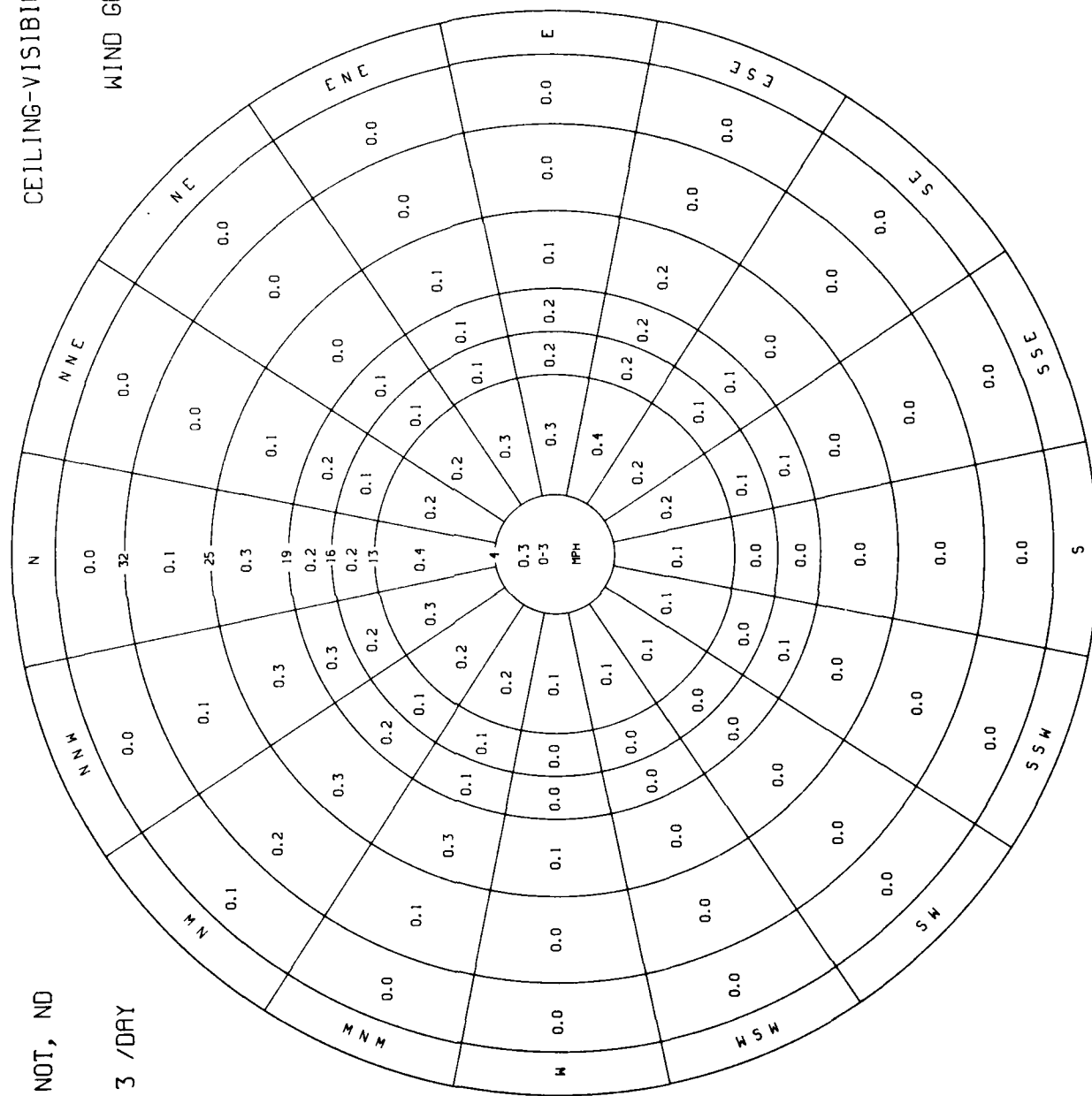
STATION NUMBER: 24013

NO. OBS.: 4677

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C
N	.0	.3	.4	3.7	.2	1.9	.2	1.7	.3	2.5	.1	.6	.0	.2	1.3	11.0	15.3
NNE	.0	.2	.3	2.6	.1	1.0	.1	.9	.1	1.2	.0	.2	.0	.1	.7	6.3	14.3
NE	.0	.1	.4	3.2	.1	.7	.1	.6	.1	.6	.0	.0	.0	.0	.6	5.3	11.6
ENE	.0	.3	.4	3.0	.1	1.1	.1	1.0	.1	1.1	.0	.1	.0	.0	.8	6.6	13.1
E	.0	.3	.5	3.9	.2	1.9	.2	1.8	.1	1.2	.0	.2	.0	.0	1.1	9.3	13.2
ESE	.0	.2	.5	4.2	.2	1.5	.2	1.5	.2	1.3	.0	.2	.0	.0	1.1	9.0	13.1
SE	.0	.4	.3	2.9	.1	.9	.1	.7	.1	.5	.0	.0	.0	.0	.6	5.4	11.5
SSE	.0	.1	.3	2.3	.1	.6	.1	.7	.0	.3	.0	.0	.0	.0	.5	4.1	11.6
S	.0	.1	.2	2.0	.1	.5	.0	.4	.0	.2	.0	.0	.0	.0	.4	3.2	10.7
SSW	.0	.1	.1	1.2	.0	.3	.0	.3	.0	.1	.0	.0	.0	.0	.2	2.0	10.8
SW	.0	.3	.1	1.1	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.2	1.7	9.1
WSW	.0	.1	.1	1.0	.0	.2	.0	.0	.0	.1	.0	.1	.0	.0	.2	1.5	11.0
W	.0	.3	.2	1.3	.1	.4	.1	.4	.0	.3	.0	.1	.0	.1	.3	2.9	13.5
WNW	.0	.1	.2	1.8	.1	1.1	.1	1.0	.2	1.8	.1	.8	.1	.6	.9	7.1	18.4
NW	.0	.1	.3	2.9	.1	1.2	.2	1.9	.3	2.6	.2	1.6	.1	.6	1.3	10.9	18.0
NNW	.0	.1	.4	3.5	.2	2.0	.2	1.8	.3	2.7	.1	.8	.0	.3	1.3	11.2	16.2
CALM	.3	2.3													.3	2.3	
TOTAL	.7	5.5	4.8	40.6	1.8	15.5	1.8	14.8	2.0	16.7	.6	4.9	.2	2.1	11.9	100	13.9

CEILING-VISIBILITY

WIND GRAPH



MOT MINOT, ND

CLASS 3 /DAY

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MOT MINOT, ND

PERIOD: 1949-1978

CLASS 3 / DAY

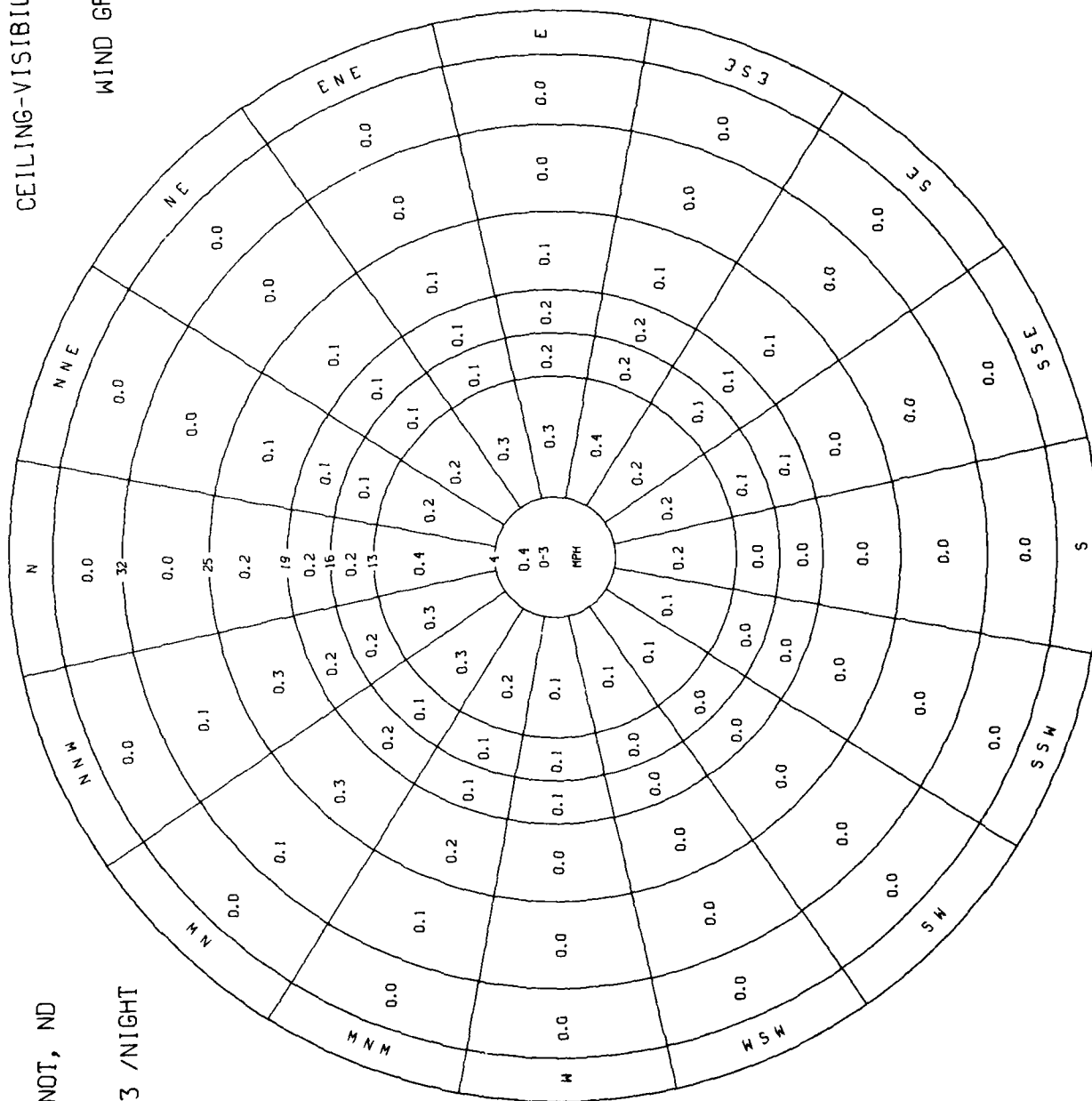
STATION NUMBER: 24013

NO. OBS.: 4946

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.1	.4	3.6	.2	2.1	.2	2.2	.3	2.9	.1	.8	.0	.1	1.2 11.7
NNE	.0	.0	.2	2.2	.1	1.4	.2	1.7	.1	1.1	.0	.3	.0	.1	.7 6.8
NE	.0	.1	.2	2.2	.1	1.1	.1	.9	.0	.4	.0	.2	.0	.0	.5 4.8
ENE	.0	.1	.3	3.0	.1	1.3	.1	1.1	.1	.8	.0	.1	.0	.0	.7 6.6
E	.0	.1	.3	3.2	.2	1.8	.2	1.7	.1	1.3	.0	.1	.0	.0	.8 8.2
ESE	.0	.1	.4	3.5	.2	2.0	.2	2.0	.2	1.7	.0	.1	.0	.0	1.0 9.3
SE	.0	.3	.2	2.0	.1	.9	.1	.9	.0	.4	.0	.2	.0	.0	.5 4.7
SSE	.0	.1	.2	1.8	.1	.8	.1	.7	.0	.3	.0	.0	.0	.0	.4 3.8
S	.0	.1	.1	1.1	.0	.5	.0	.4	.0	.2	.0	.0	.0	.0	.2 2.4
SSW	.0	.1	.1	1.0	.0	.5	.1	.5	.0	.2	.0	.0	.0	.0	.2 2.3
SW	.0	.1	.1	.8	.0	.2	.0	.1	.0	.2	.0	.0	.0	.0	.1 1.4
WSW	.0	.1	.1	1.1	.0	.3	.0	.2	.0	.1	.0	.1	.0	.1	.2 1.9
W	.0	.2	.1	1.2	.0	.4	.0	.4	.1	.6	.0	.2	.0	.2	.3 3.1
WNW	.0	.1	.2	1.6	.1	1.0	.1	1.2	.3	2.5	.1	1.2	.0	.5	.8 8.0
NW	.0	.1	.2	2.2	.1	1.4	.2	2.4	.3	3.2	.2	1.7	.1	.7	1.2 11.7
NNW	.0	.1	.3	3.0	.2	2.1	.3	2.6	.3	2.7	.1	1.1	.0	.1	1.2 11.7
CALM	.1	1.4													.1 1.4
TOTAL	.3	3.1	3.4	33.5	1.8	17.6	1.9	18.9	1.9	18.7	.6	6.2	.2	2.0	10.2 100 15.2

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MOT MINOT, ND

PERIOD: 1949-1978

CLASS 3 / NIGHT

STATION NUMBER: 24013

NO. OBS.: 3645

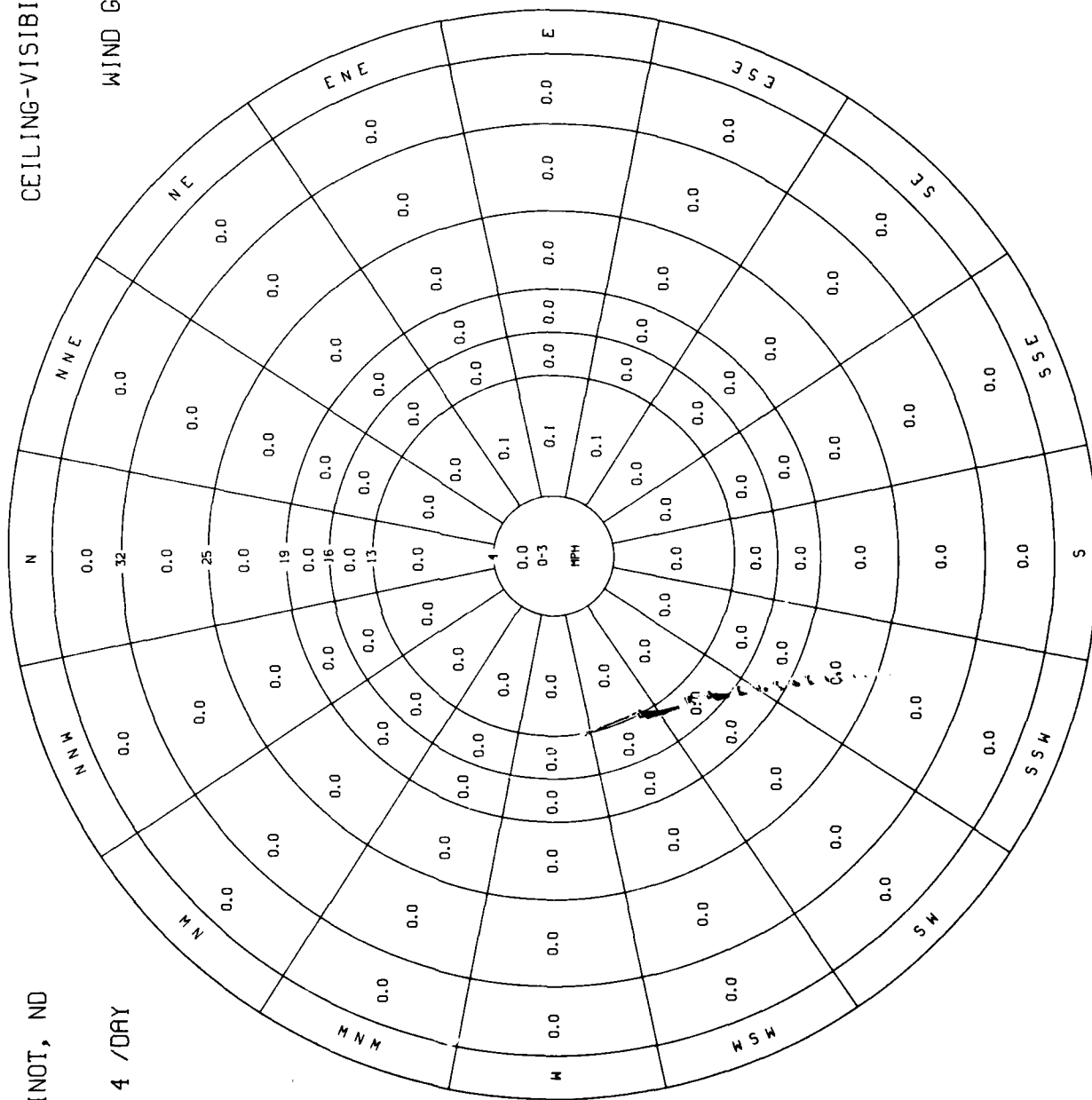
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.2	.4	3.8	.2	2.3	.2	2.0	.2	2.5	.0	.5	.0	.1	1.1 11.4
NNE	.0	.1	.2	2.5	.1	1.0	.1	1.0	.1	1.3	.0	.1	.0	.1	.6 6.1
NNE	.0	.1	.2	2.6	.1	.7	.1	.6	.1	.5	.0	.0	.0	.0	.4 4.6
ENE	.0	.2	.3	2.9	.1	1.2	.1	1.1	.1	1.0	.0	.2	.0	.0	.6 6.6
E	.0	.3	.3	3.3	.2	1.9	.2	1.9	.1	1.2	.0	.2	.0	.0	.8 8.9
ESE	.0	.1	.4	4.0	.2	1.6	.2	1.7	.1	1.5	.0	.2	.0	.0	.8 9.1
SE	.0	.2	.2	2.6	.1	1.0	.1	.8	.1	.6	.0	.1	.0	.0	.5 5.3
SSE	.0	.1	.2	2.4	.1	.7	.1	.9	.0	.4	.0	.0	.0	.0	.4 4.5
S	.0	.1	.2	1.8	.0	.5	.0	.5	.0	.2	.0	.0	.0	.0	.3 3.1
SSW	.0	.1	.1	1.1	.0	.3	.0	.2	.0	.1	.0	.0	.0	.1	.2 1.9
SW	.0	.2	.1	1.1	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.2 1.7
WSW	.0	.1	.1	.9	.0	.3	.0	.0	.0	.1	.0	.1	.0	.1	.1 1.6
W	.0	.3	.1	1.3	.1	.5	.1	.5	.0	.3	.0	.1	.0	.1	.3 3.2
WNW	.0	.1	.2	1.9	.1	1.3	.1	1.2	.2	2.0	.1	.7	.0	.2	.7 7.4
NW	.0	.1	.3	2.9	.1	1.4	.2	2.3	.3	3.0	.1	1.4	.0	.3	1.1 11.4
NNW	.0	.1	.3	3.5	.2	2.2	.2	2.1	.3	2.9	.1	.6	.0	.2	1.1 11.6
CALM	.2	1.8													.2 1.8
TOTAL	.4	4.3	3.6	38.8	1.6	17.1	1.6	16.8	1.7	17.8	.4	4.1	.1	1.0	9.3 100

CEILING-VISIBILITY

WIND GRAPH

MOT MINOT, ND

CLASS 4 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: M0T MINOT, ND

PERIOD: 1949-1978

CLASS 4 / DAY

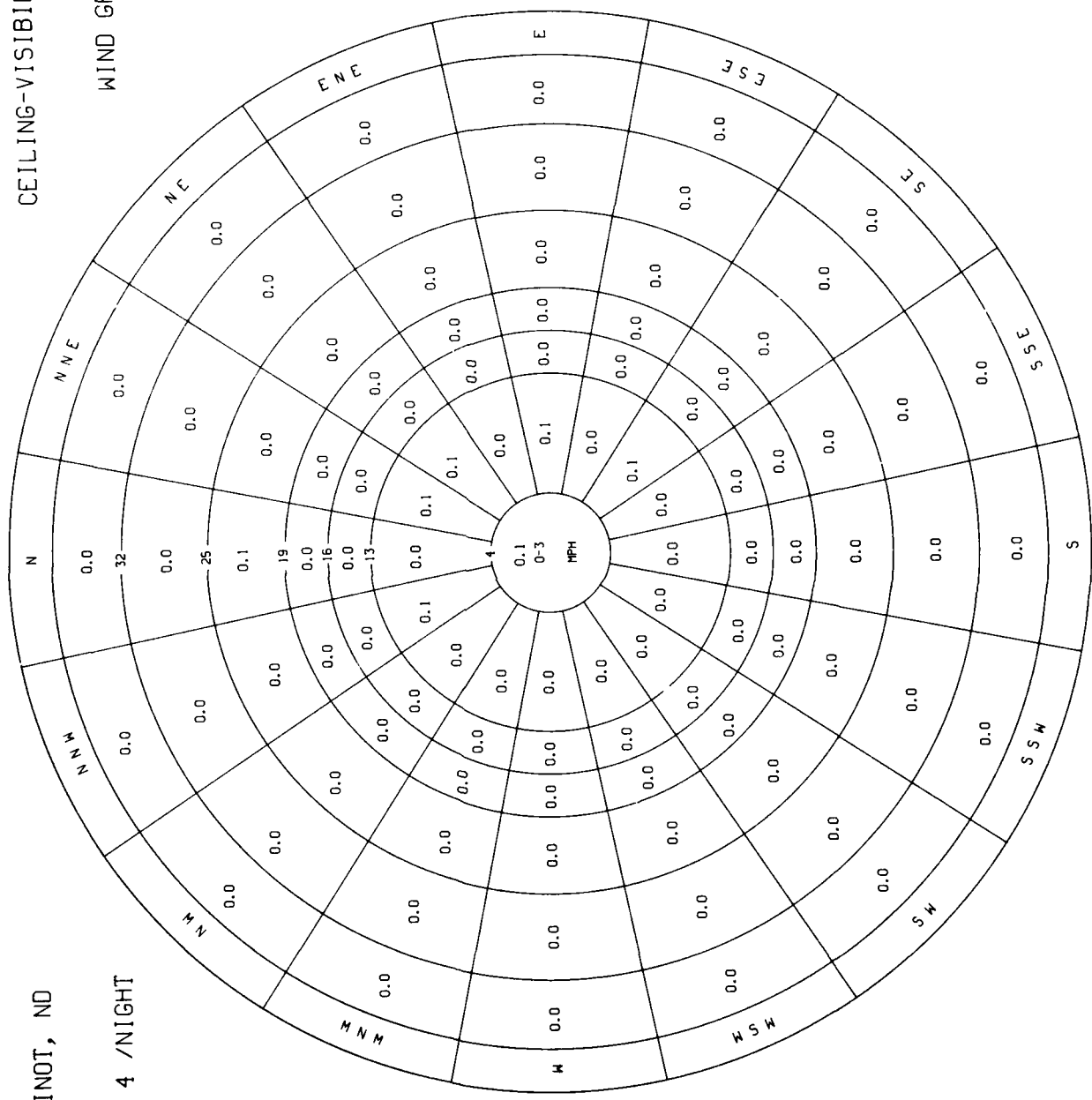
STATION NUMBER: 24013

NO. OBS.: 693

D I R	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.1	.0	2.7	.0	1.7	.0	2.0	.0	2.2	.0	1.6	.0	.7	.2	11.1	17.5
NNE	.0	.0	.0	2.9	.0	2.2	.0	1.4	.0	3.3	.0	.3	.0	.3	.1	10.4	16.5
NE	.0	.1	.0	3.2	.0	1.9	.0	1.9	.0	2.3	.0	.0	.0	.0	.1	9.4	14.4
ENE	.0	.0	.1	3.6	.0	1.9	.0	1.0	.0	2.2	.0	.0	.0	.0	.1	8.7	14.3
E	.0	.1	.1	4.0	.0	2.6	.0	3.0	.0	2.9	.0	.1	.0	.0	.2	12.8	14.7
ESE	.0	.0	.1	3.9	.0	2.9	.0	1.9	.0	2.2	.0	.7	.0	.0	.2	11.5	15.1
SE	.0	.3	.0	1.6	.0	.4	.0	.3	.0	.3	.0	.0	.0	.0	.0	2.9	10.8
SSE	.0	.4	.0	1.4	.0	.1	.0	.6	.0	.3	.0	.0	.0	.0	.0	2.9	10.6
S	.0	.3	.0	.6	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.0	1.4	11.0
SSW	.0	.0	.0	1.2	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	1.7	10.8
SW	.0	.0	.0	.4	.0	.1	.0	.1	.0	.0	.0	.1	.0	.0	.0	.9	13.3
WSW	.0	.0	.0	.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	.0	.9	12.8
W	.0	.0	.0	.7	.0	.0	.0	.0	.0	.7	.0	.0	.0	.1	.0	1.6	17.5
WNW	.0	.0	.0	1.3	.0	.3	.0	.4	.0	.4	.0	1.4	.0	.3	.1	4.2	19.7
NW	.0	.0	.0	1.9	.0	1.2	.0	1.0	.0	1.9	.0	2.3	.0	.7	.1	8.9	20.4
NNW	.0	.1	.0	1.6	.0	.2	.0	1.0	.0	2.3	.0	2.5	.0	.4	.1	9.1	20.0
CALM	.0	1.6													.0	1.6	
TOTAL	.0	3.2	.5	31.6	.2	16.9	.2	15.4	.3	21.1	.1	9.1	.0	2.7	1.4	100	15.8

CEILING-VISIBILITY

WIND GRAPH



MOT MINOT, ND

CLASS 4 /NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1949-1978

STATION NAME: MOT MINOT, NO

CLASS 4 / NIGHT

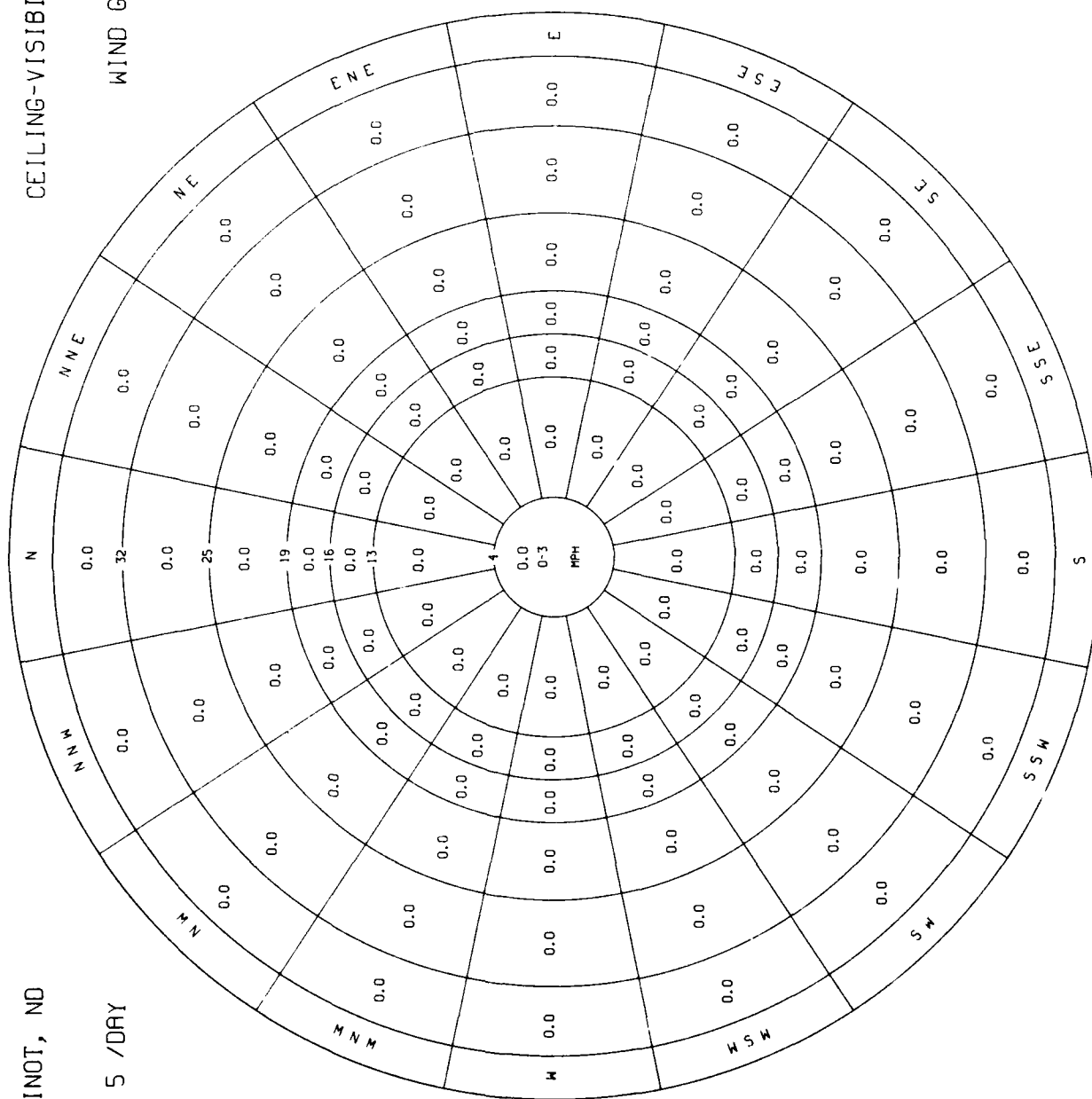
NO. OBS.: 580

STATION NUMBER: 24013

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D
N	.0	.5	.0	2.9	.0	.9	.0	.5	.1	4.0	.0	.9	.0	.3	.1	10.0	16.9
NNE	.0	.2	.1	3.4	.0	1.7	.0	1.2	.0	1.7	.0	.5	.0	.3	.1	9.1	14.6
NE	.0	.2	.1	4.1	.0	.9	.0	.9	.0	1.0	.0	.2	.0	.0	.1	7.2	12.4
ENE	.0	.3	.0	3.3	.0	1.6	.0	1.4	.0	1.7	.0	.2	.0	.0	.1	8.4	13.7
E	.0	.3	.1	5.5	.0	2.1	.0	1.4	.0	1.7	.0	.0	.0	.0	.2	11.0	12.5
ESE	.0	.5	.0	2.9	.0	1.0	.0	1.2	.0	1.2	.0	.3	.0	.0	.1	7.2	13.2
SE	.0	.3	.1	3.4	.0	.5	.0	.0	.0	.3	.0	.0	.0	.2	.1	4.8	10.8
SSE	.0	.0	.0	1.9	.0	.2	.0	.2	.0	.3	.0	.0	.0	.0	.0	2.6	10.1
S	.0	.0	.0	3.1	.0	.5	.0	.2	.0	.0	.0	.0	.0	.0	.1	3.8	9.9
SSW	.0	.0	.0	1.7	.0	.2	.0	.2	.0	.3	.0	.0	.0	.0	.0	2.4	10.5
SW	.0	.0	.0	1.2	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	1.6	9.3
WSW	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	7.7
W	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.3	.0	.3	.0	.2	.0	2.1	16.3
WNW	.0	.3	.0	.7	.0	.5	.0	.7	.0	1.9	.0	1.7	.0	.2	.1	6.0	20.1
NW	.0	.2	.0	2.4	.0	.7	.0	.9	.0	1.7	.0	1.4	.0	.9	.1	8.1	18.9
NNW	.0	.2	.1	3.4	.0	1.6	.0	.9	.0	2.6	.0	1.9	.0	.5	.2	11.0	17.4
CALM	.1	3.8													.1	3.8	
TOTAL	.1	6.9	.6	42.1	.2	12.4	.1	9.7	.3	19.0	.1	7.4	.0	2.6	1.5	100	14.0

CEILING-VISIBILITY

WIND GRAPH



MOT MINOT, ND

CLASS 5 /DRY

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MDT MINOT, ND

PERIOD: 1949-1978

CLASS 5 / DAY

STATION NUMBER: 24013

NO. OBS.: 197

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.0	.0	2.0	.0	.5	.0	1.0	.0	4.6	.0	1.5	.0	.5	.0 10.2
NNE	.0	.0	.0	4.6	.0	.5	.0	1.5	.0	1.5	.0	2.0	.0	.5	.0 10.7
NNE	.0	1.0	.0	6.6	.0	1.0	.0	1.0	.0	1.0	.0	1.0	.0	.0	.0 11.7
ENE	.0	.0	.0	5.1	.0	.5	.0	1.0	.0	.5	.0	.5	.0	.0	.0 7.6
E	.0	.5	.0	4.1	.0	2.0	.0	2.0	.0	2.5	.0	.5	.0	.0	.0 11.7
ESE	.0	.0	.0	4.1	.0	1.0	.0	.5	.0	1.0	.0	2.0	.0	.0	.0 8.6
SSE	.0	.0	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.0
SSE	.0	.0	.0	1.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.5
S	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.0
SSW	.0	.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.5
SW	.0	.5	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.5
WSW	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.0
W	.0	1.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0 2.0
WNW	.0	.5	.0	.5	.0	.5	.0	.0	.0	.0	.0	1.0	.0	1.0	.0 3.6
NW	.0	.5	.0	3.0	.0	.5	.0	.0	.0	2.0	.0	2.5	.0	3.6	.0 12.2
NNW	.0	.5	.0	2.0	.0	1.0	.0	.0	.0	1.0	.0	1.5	.0	1.0	.0 7.1
CALM	.0	5.1													.0 5.1
TOTAL	.0	10.2	.2	40.6	.0	8.1	.0	7.1	.1	14.2	.1	13.2	.0	6.6	.4 100

F/G 4/2

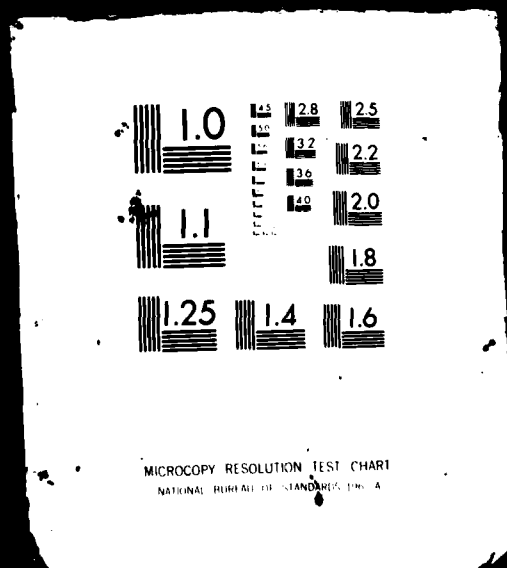
DOT-FA79WAI-057

NL

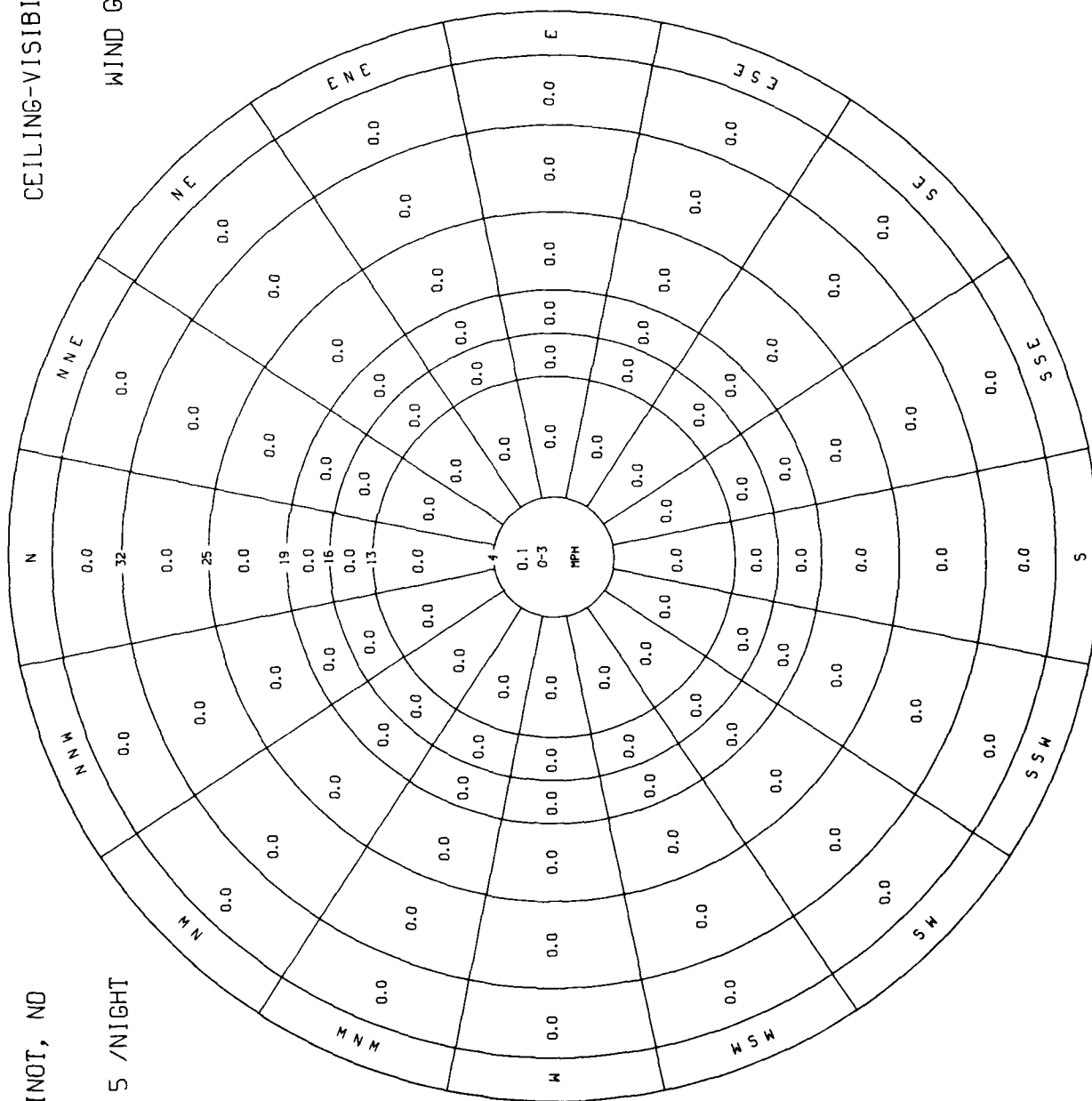
2.5

2.5
 10.0
 10.0

2 OF 5
AD-A
108167



CEILING-VISIBILITY
WIND GRAPH



MOT MINOT, ND
CLASS 5 /NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MOTT MINOT, ND

PERIOD: 1949-1978

CLASS 5 / NIGHT

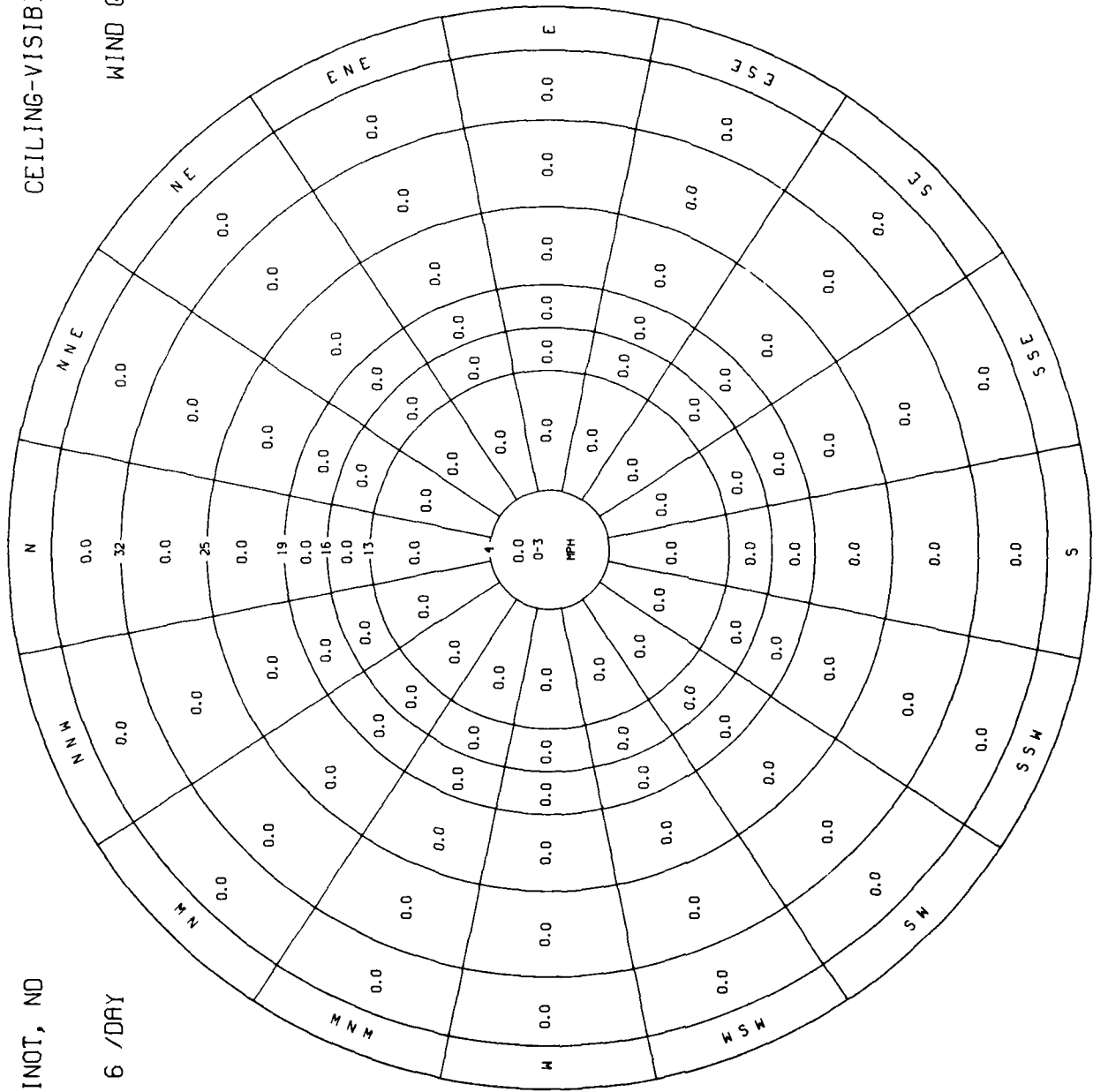
STATION NUMBER: 24013

NO. OBS.: 196

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C
N	.0	1.0	.0	5.6	.0	.5	.0	1.5	.0	.5	.0	1.0	.0	.5	.1	10.7	12.2
NNE	.0	.0	.0	1.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	10.7
NE	.0	.5	.0	7.7	.0	.5	.0	.5	.0	.5	.0	.5	.0	.0	.1	10.2	9.7
ENE	.0	.0	.0	2.6	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	3.6	11.1
E	.0	.0	.0	7.1	.0	2.6	.0	2.0	.0	1.0	.0	1.0	.0	.0	.1	13.8	13.2
ESE	.0	.0	.0	4.6	.0	1.0	.0	1.5	.0	1.5	.0	.5	.0	.0	.0	9.2	13.7
SE	.0	1.5	.0	3.6	.0	.0	.0	.5	.0	.5	.0	.0	.0	.0	.0	6.1	8.6
SSE	.0	1.0	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	6.1
S	.0	1.0	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	6.9
SSW	.0	1.0	.0	1.5	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	3.6	7.6
SW	.0	1.5	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	5.2
WSW	.0	1.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	4.7
W	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	2.0	20.2
WNW	.0	.0	.0	.5	.0	.5	.0	.0	.0	.0	.0	.5	.0	1.5	.0	3.1	26.3
NW	.0	.0	.0	2.6	.0	.5	.0	1.0	.0	.5	.0	3.6	.0	2.0	.1	10.2	22.2
NNW	.0	.0	.0	4.6	.0	.0	.0	1.0	.0	2.0	.0	1.0	.0	1.5	.1	10.2	17.0
CALM	.0	3.1													.0	3.1	
TOTAL	1	11.7	.3	50.5	.0	6.6	.0	8.7	.0	7.7	.0	9.2	.0	5.6	.5	100	12.7

CEILING-VISIBILITY

WIND GRAPH



MOT MINOT, ND

CLASS 6 /DAY

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1949-1978

STATION NAME: MOT MINOT, ND

CLASS 6 / DAY

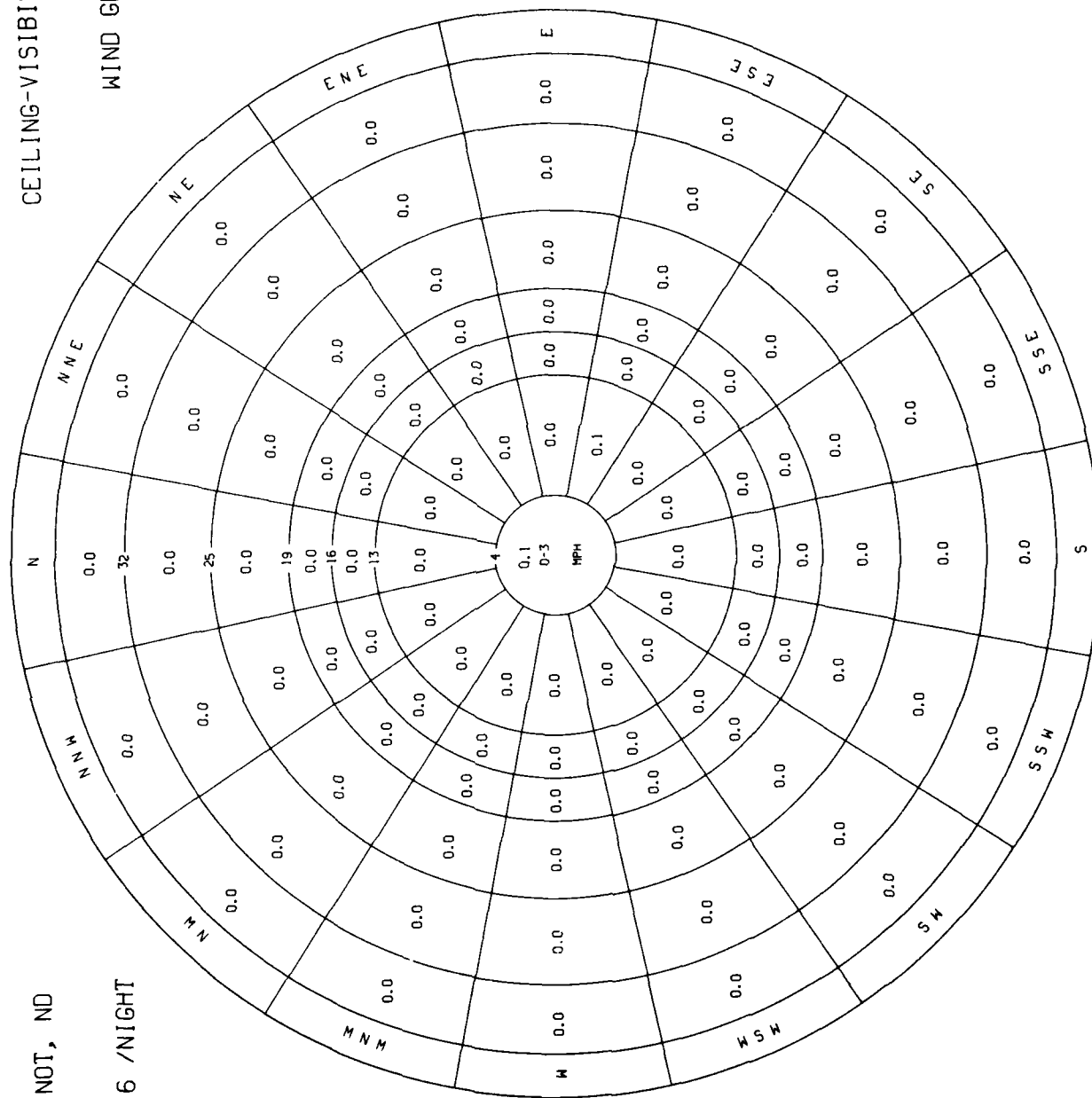
NO. OBS.: 196

STATION NUMBER: 24013

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D
N	.0	.0	.0	3.1	.0	1.0	.0	.0	.0	1.5	.0	2.6	.0	.5	.0	8.7	19.1
NNE	.0	.0	.0	1.5	.0	.0	.0	.0	.0	.5	.0	2.0	.0	1.0	.0	5.1	24.1
NE	.0	1.0	.0	5.1	.0	.0	.0	.0	.0	.0	.0	1.5	.0	1.0	.0	8.7	13.8
ENE	.0	1.0	.0	3.1	.0	2.0	.0	.0	.0	1.0	.0	.0	.0	.5	.0	7.7	12.1
E	.0	.0	.0	4.6	.0	1.5	.0	.5	.0	.5	.0	.5	.0	.0	.0	7.7	12.4
ESE	.0	.0	.0	6.6	.0	.5	.0	.0	.0	.0	.0	1.0	.0	.0	.0	8.2	10.8
SE	.0	1.0	.0	4.1	.0	1.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	6.6	8.5
SSE	.0	.0	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	8.0
S	.0	1.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	4.0
SSW	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	2.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.0
WSW	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	7.0
W	.0	.0	.0	2.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	1.0	.0	4.1	18.1
WNW	.0	.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	1.0	.0	3.1	.0	5.6	29.2
NW	.0	.0	.0	1.5	.0	.5	.0	.0	.0	1.0	.0	2.0	.0	9.2	.1	14.3	30.7
NNW	.0	.5	.0	2.0	.0	1.5	.0	.5	.0	1.5	.0	.5	.0	4.1	.0	10.7	22.5
CALM	.0	7.1													.0	7.1	
TOTAL	.0	12.2	.2	39.3	.0	8.2	.0	1.5	.0	7.1	.0	11.2	.1	20.4	.4	100	16.9

CEILING-VISIBILITY

WIND GRAPH

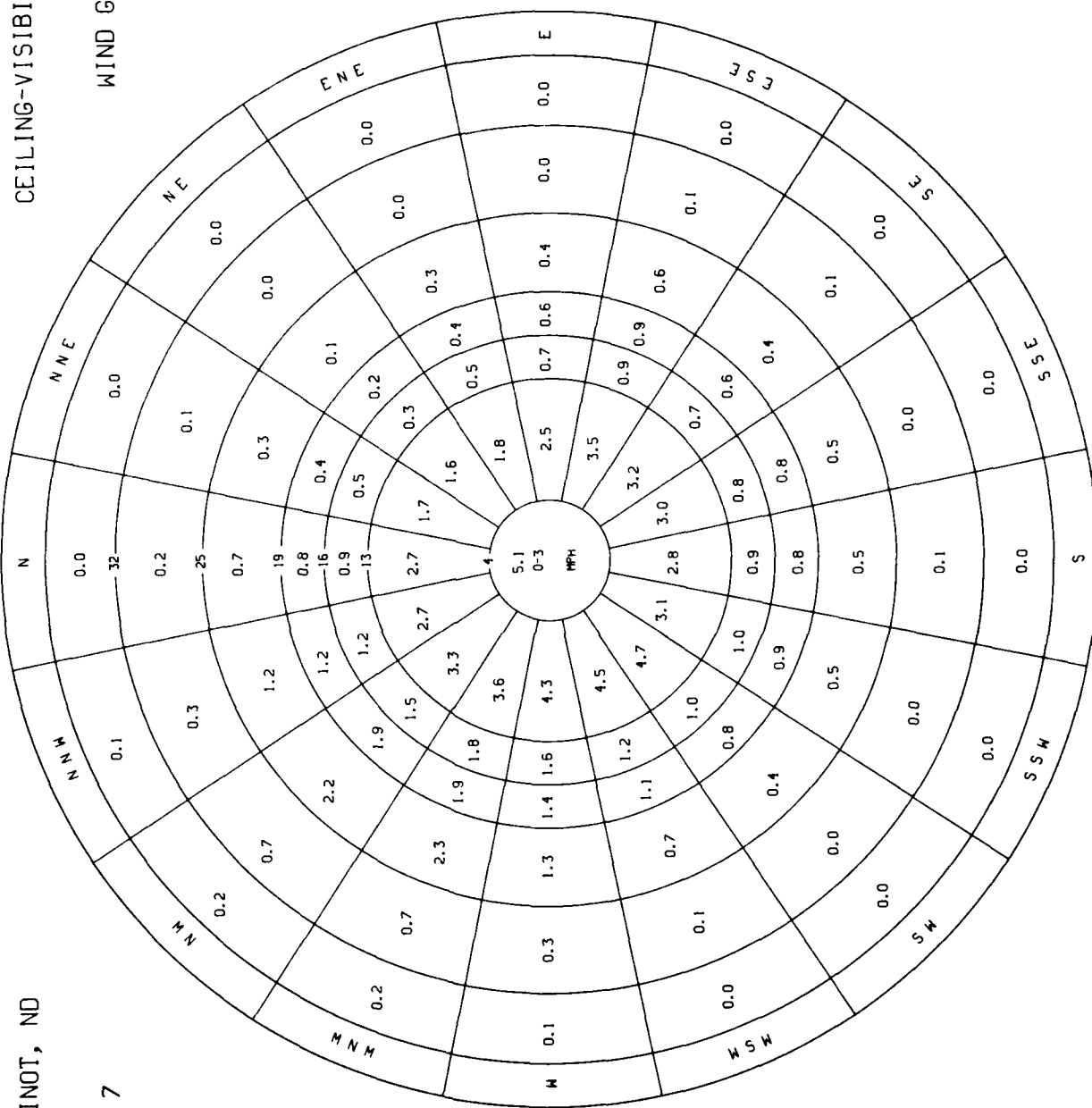


MOT MINOT, ND

CLASS 6 /NIGHT

CEILING-VISIBILITY

WIND GRAPH

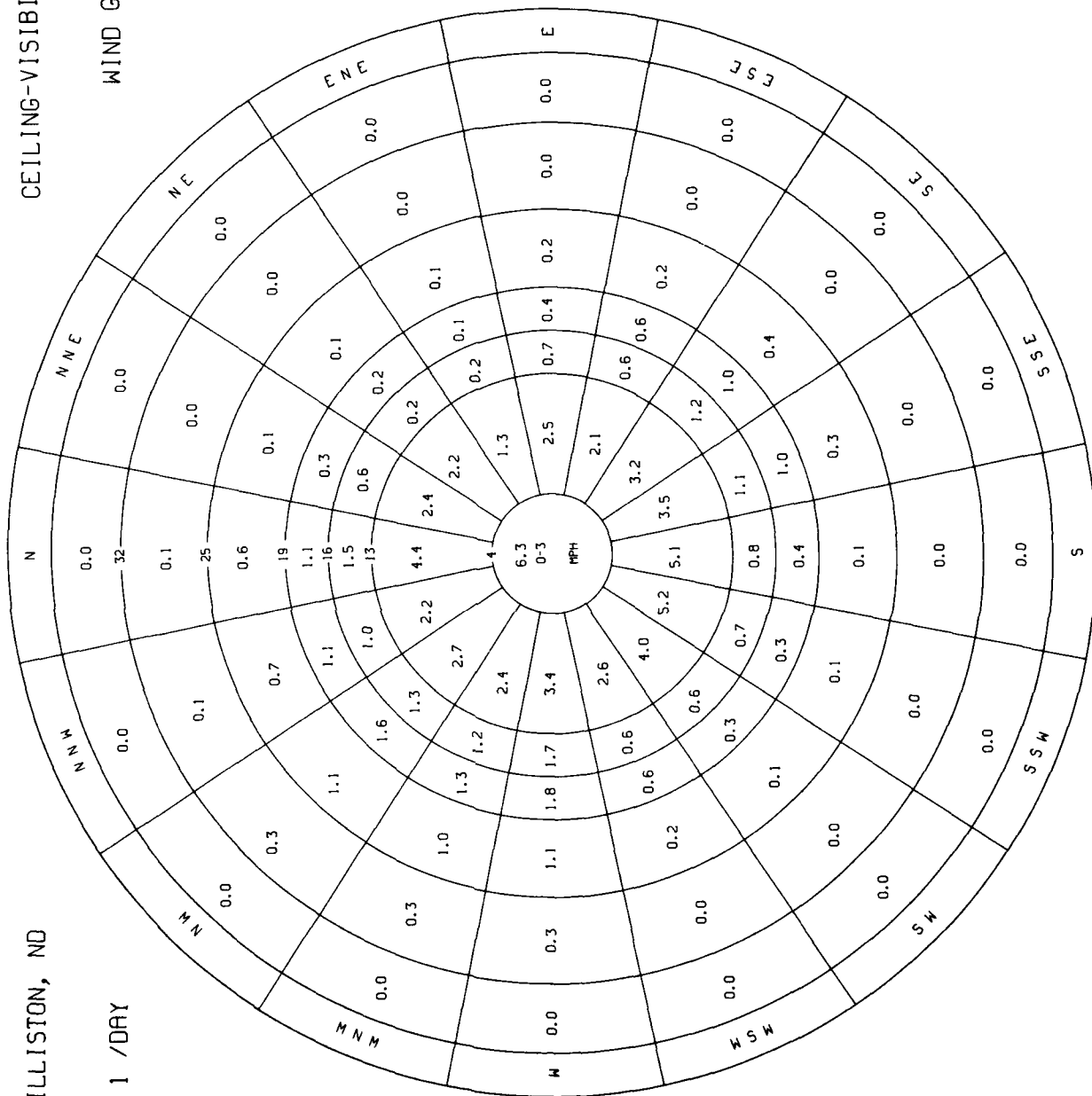


MOT MINOT, ND

CLASS 7

CEILING-VISIBILITY
WIND GRAPH

ISN WILLISTON, ND
CLASS 1 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ISN WILLISTON, ND

PERIOD: 1967-1978

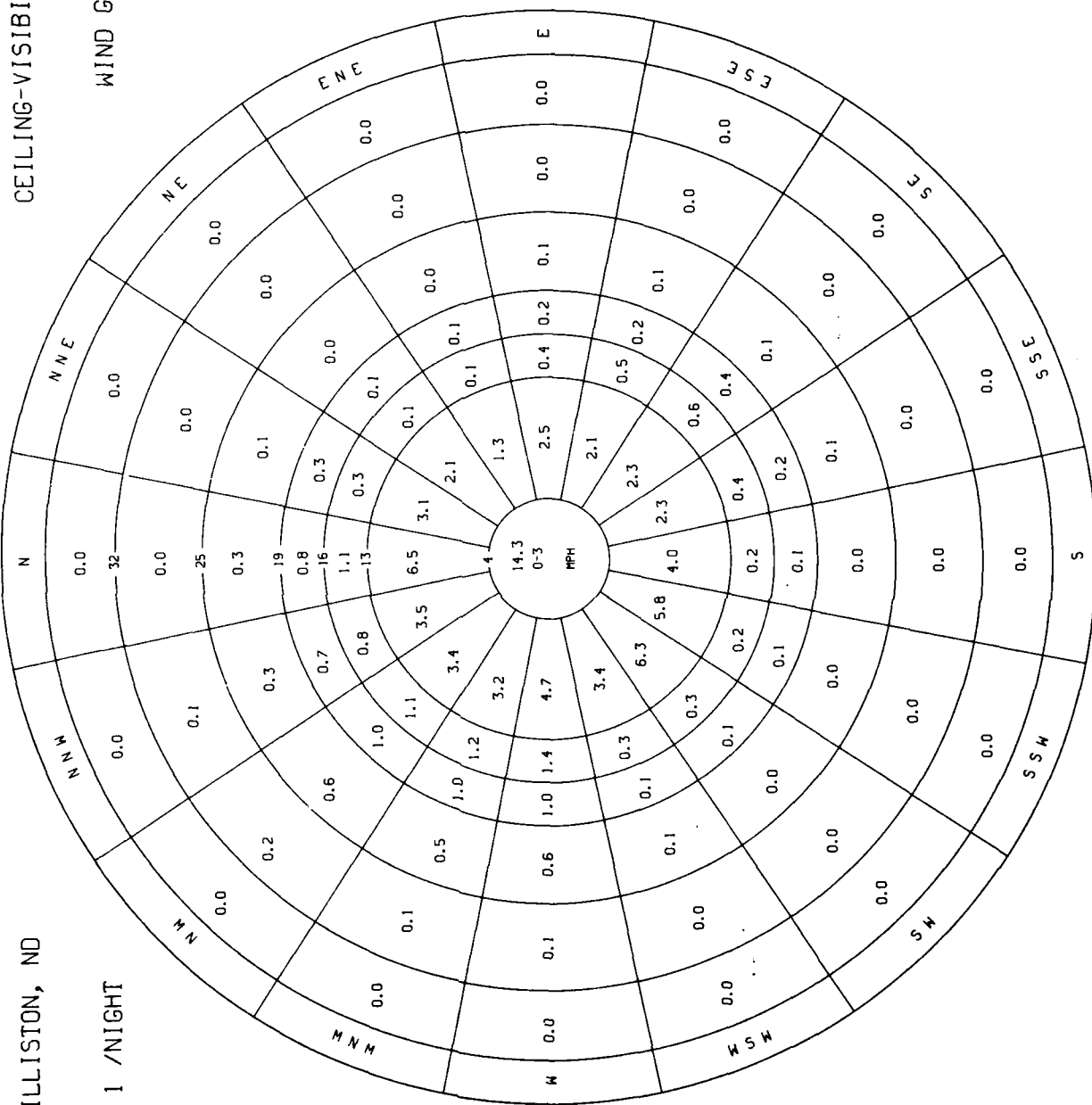
CLASS 1 / DAY

STATION NUMBER: 94014

NO. OBS.: 17992

D I R	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.2	.2	4.4	4.9	1.5	1.7	1.1	1.3	.6	.7	.1	.1	.0	.0	8.0	8.9	11.8
NNE	.1	.1	2.4	2.7	.6	.6	.3	.4	.1	.2	.0	.0	.0	.0	3.6	4.0	10.1
NE	.1	.2	2.2	2.4	.2	.3	.2	.2	.1	.1	.0	.0	.0	.0	2.8	3.1	8.8
ENE	.1	.1	1.3	1.5	.2	.2	.1	.1	.1	.1	.0	.0	.0	.0	1.8	2.0	9.1
E	.1	.2	2.5	2.8	.7	.8	.4	.4	.2	.2	.0	.0	.0	.0	4.0	4.5	10.7
ESE	.0	.0	2.1	2.4	.6	.7	.6	.7	.2	.2	.0	.0	.0	.0	3.6	4.0	11.4
SE	.1	.1	3.2	3.6	1.2	1.4	1.0	1.1	.4	.5	.0	.0	.0	.0	5.9	6.6	12.0
SSE	.1	.1	3.5	3.9	1.1	1.3	1.0	1.1	.3	.3	.0	.0	.0	.0	6.0	6.7	11.4
S	.2	.2	5.1	5.8	.8	.9	.4	.4	.1	.1	.0	.0	.0	.0	6.6	7.4	9.2
SSW	.2	.2	5.2	5.8	.7	.8	.3	.4	.1	.1	.0	.0	.0	.0	6.4	7.2	9.1
SW	.2	.2	4.0	4.5	.6	.7	.3	.3	.1	.1	.0	.0	.0	.0	5.1	5.7	9.0
WSW	.1	.1	2.6	3.0	.6	.7	.6	.6	.2	.2	.0	.0	.0	.0	4.2	4.6	10.7
W	.1	.1	3.4	3.8	1.7	1.8	1.8	2.0	1.1	1.2	.3	.3	.0	.0	8.4	9.3	13.8
WNW	.0	.0	2.4	2.7	1.2	1.4	1.3	1.4	1.0	1.1	.3	.3	.0	.1	6.3	7.0	14.5
NW	.1	.1	2.7	3.0	1.3	1.5	1.6	1.8	1.1	1.3	.3	.3	.0	.0	7.1	8.0	14.4
NNW	.1	.1	2.2	2.5	1.0	1.2	1.1	1.2	.7	.7	.1	.2	.0	.0	5.3	5.9	13.4
CALM	4.5	5.0													4.5	5.0	
TOTAL	6.3	7.0	49.4	55.2	14.1	15.8	12.0	13.4	6.3	7.1	1.3	1.4	.1	.2	89.5	100	11.0

CEILING-VISIBILITY
WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ISN WILLISTON, ND

PERIOD: 1967-1978

CLASS 1 / NIGHT

STATION NUMBER: 94014

NO. OBS.: 13316

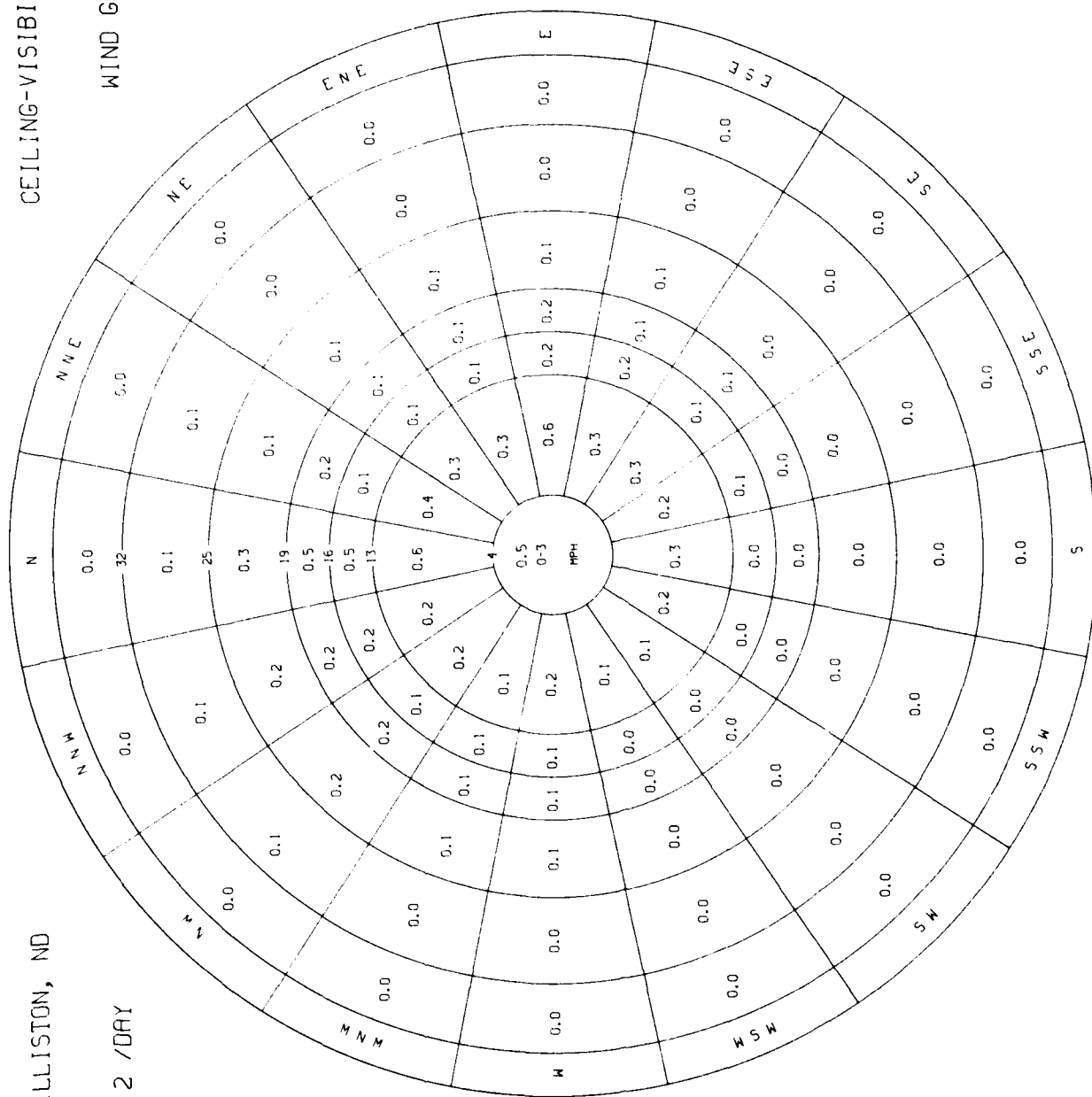
O I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.4	.4	6.5	7.2	1.1	1.2	.8	.9	.3	.3	.0	.1	.0	.0	9.1 10.1
NNE	.2	.2	3.1	3.5	.3	.4	.3	.3	.1	.1	.0	.0	.0	.0	4.1 4.5
NNE	.2	.2	2.1	2.4	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.6 2.9
ENE	.1	.1	1.3	1.4	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	1.6 1.8
E	.2	.2	2.5	2.7	.4	.5	.2	.2	.1	.1	.0	.0	.0	.0	3.4 3.8
ESE	.1	.1	2.1	2.3	.5	.5	.2	.3	.1	.1	.0	.0	.0	.0	2.9 3.3
SE	.1	.1	2.3	2.6	.6	.7	.4	.4	.1	.1	.0	.0	.0	.0	3.5 4.0
SSE	.1	.1	2.3	2.6	.4	.5	.2	.2	.1	.1	.0	.0	.0	.0	3.1 3.5
S	.4	.4	4.0	4.4	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	4.7 5.2
SSW	.4	.4	5.8	6.5	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	6.4 7.1
SW	.4	.5	6.3	7.1	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	7.1 7.9
WSW	.3	.3	3.4	3.8	.3	.3	.1	.2	.1	.1	.0	.0	.0	.0	4.2 4.7
W	.2	.3	4.7	5.3	1.4	1.6	1.0	1.1	.6	.7	.1	.1	.0	.0	8.1 9.0
WNW	.1	.1	3.2	3.6	1.2	1.3	1.0	1.1	.5	.6	.1	.1	.0	.0	6.1 6.8
NW	.2	.2	3.4	3.8	1.1	1.3	1.0	1.1	.6	.7	.2	.2	.0	.0	6.4 7.2
NNW	.2	.3	3.5	3.9	.8	.9	.7	.7	.3	.3	.1	.1	.0	.0	5.6 6.3
CALM	10.8	12.0													10.8 12.0
TOTAL	14.3	16.0	56.5	63.0	9.1	10.1	6.3	7.0	2.9	3.2	.5	.6	.1	.1	89.7 100

CEILING-VISIBILITY

WIND GRAPH

ISN WILLISTON, ND

CLASS 2 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ISN WILLISTON, ND

PERIOD: 1967-1978

CLASS 2 / DAY

STATION NUMBER: 94014

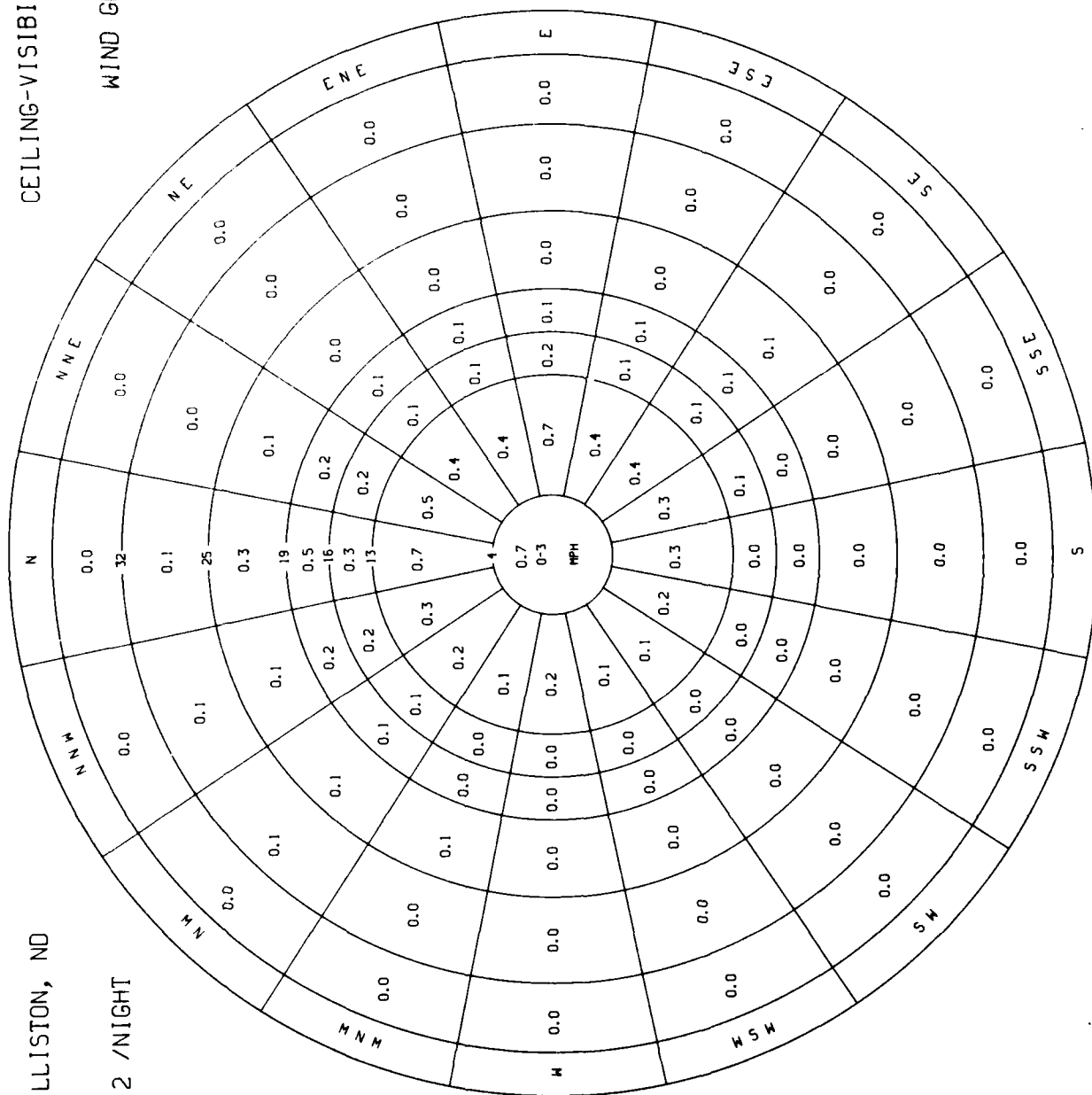
NO. OBS.: 2108

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.0	.0	.6	5.8	.5	4.4	.5	4.9	.3	3.3	.1	1.0	.0	.1	2.0	19.5	15.4
NNE	.0	.0	.4	3.5	.1	1.2	.2	1.8	.1	1.3	.1	.5	.0	.1	.9	8.5	14.4
NE	.0	.1	.3	2.8	.1	1.1	.1	1.1	.1	.7	.0	.2	.0	.0	.6	6.1	13.4
ENE	.0	.0	.3	2.8	.1	.7	.1	.6	.1	.6	.0	.1	.0	.0	.5	4.8	12.4
E	.0	.1	.6	6.0	.2	2.2	.2	1.6	.1	.7	.0	.3	.0	.0	1.2	11.0	12.5
ESE	.0	.0	.3	2.7	.2	1.6	.1	1.3	.1	.5	.0	.2	.0	.0	.7	6.3	13.2
SE	.0	.1	.3	3.0	.1	.8	.1	1.0	.0	.4	.0	.2	.0	.1	.6	5.7	13.2
SSE	.0	.0	.2	2.0	.1	.7	.0	.4	.0	.1	.0	.0	.0	.0	.3	3.2	11.3
S	.0	.1	.3	2.7	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.3	3.0	8.1
SSW	.0	.1	.2	1.8	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2	2.2	8.3
SW	.0	.1	.1	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.1	7.1
WSW	.0	.1	.1	1.1	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.2	1.7	9.5
W	.0	.0	.2	1.5	.1	.9	.1	.5	.1	.9	.0	.2	.0	.0	.4	4.0	14.7
WNW	.0	.0	.1	.9	.1	.7	.1	.5	.1	.6	.0	.4	.0	.1	.3	3.2	16.2
NW	.0	.1	.2	2.0	.1	1.2	.2	1.8	.2	2.3	.1	.9	.0	.2	.9	8.6	17.5
NNW	.0	.0	.2	1.8	.2	1.5	.2	1.9	.2	1.8	.1	.8	.0	.2	.8	7.9	17.1
CALM	.3	3.2													.3	3.2	
TOTAL	.5	4.3	4.3	41.3	1.9	17.7	1.8	17.5	1.4	13.2	.5	5.0	.1	1.0	10.5	100	13.6

ISN WILLISTON, ND

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ISN WILLISTON, ND

PERIOD: 1967-1978

CLASS 2 / NIGHT

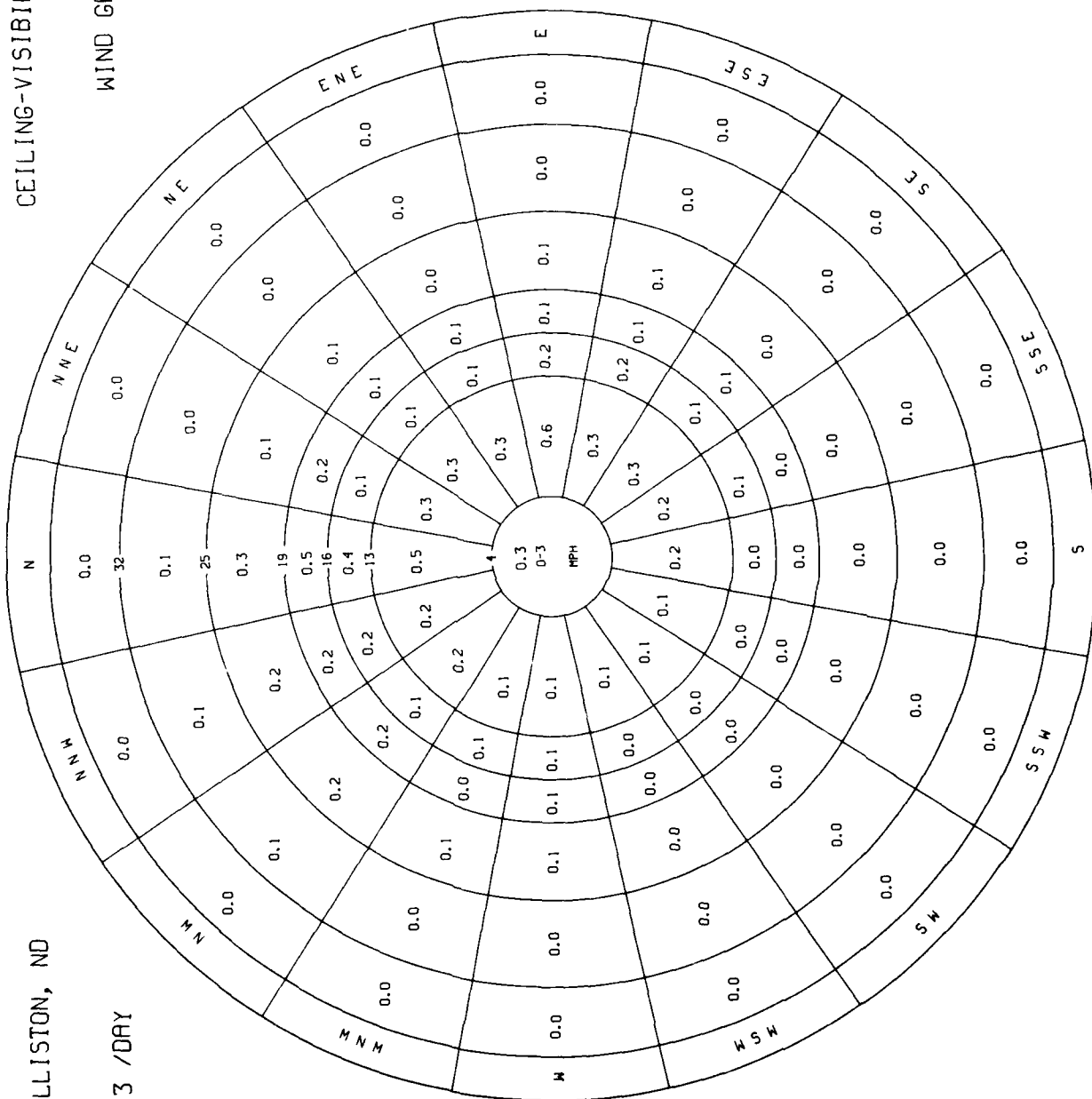
STATION NUMBER: 94014

NO. OBS.: 1521

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.0	.1	.7	6.7	.3	3.2	.5	4.5	.3	2.6	.1	.6	.0	.1	1.8	17.7	14.4
NNE	.0	.3	.5	4.6	.2	1.8	.2	1.6	.1	.9	.0	.2	.0	.0	1.0	9.3	12.4
NNE	.0	.1	.4	4.3	.1	.7	.1	1.0	.0	.5	.0	.1	.0	.0	.7	6.7	11.1
ENE	.0	.2	.4	3.5	.1	.7	.1	.6	.0	.5	.0	.1	.0	.0	.6	5.5	11.2
E	.0	.1	.7	6.6	.2	1.7	.1	1.1	.0	.5	.0	.1	.0	.1	1.0	10.1	11.3
ESE	.0	.0	.4	3.7	.1	.9	.1	1.2	.0	.5	.0	.0	.0	.0	.6	6.2	11.8
SE	.0	.1	.4	3.4	.1	1.2	.1	1.0	.1	.6	.0	.3	.0	.0	.7	6.5	12.4
SSE	.0	.1	.3	2.6	.1	.9	.0	.1	.0	.2	.0	.0	.0	.0	.4	4.0	10.4
S	.0	.5	.3	2.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.4	3.4	7.6
SSW	.0	.1	.2	2.2	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.3	2.6	8.0
SW	.0	.1	.1	1.4	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.2	1.8	8.0
WSW	.0	.0	.1	1.2	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1	1.4	8.0
W	.0	.2	.2	1.6	.0	.3	.0	.3	.0	.3	.0	.3	.0	.0	.3	3.0	12.3
WNW	.0	.1	.1	1.4	.0	.4	.0	.3	.1	.6	.0	.4	.0	.1	.4	3.4	15.9
NW	.0	.1	.2	1.7	.1	.7	.1	1.0	.1	1.4	.1	.7	.0	.0	.6	5.5	16.3
NNW	.0	.0	.3	2.9	.2	1.6	.2	1.8	.1	1.1	.1	.7	.0	.1	.8	8.2	15.3
CALM	.5	4.6													.5	4.6	
TOTAL	.7	6.7	5.1	50.2	1.5	14.8	1.5	14.7	1.0	9.5	.4	3.6	.0	.4	10.3	100	11.9

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1967-1978

STATION NAME: ISN WILLISTON, ND

CLASS 3 / DAY

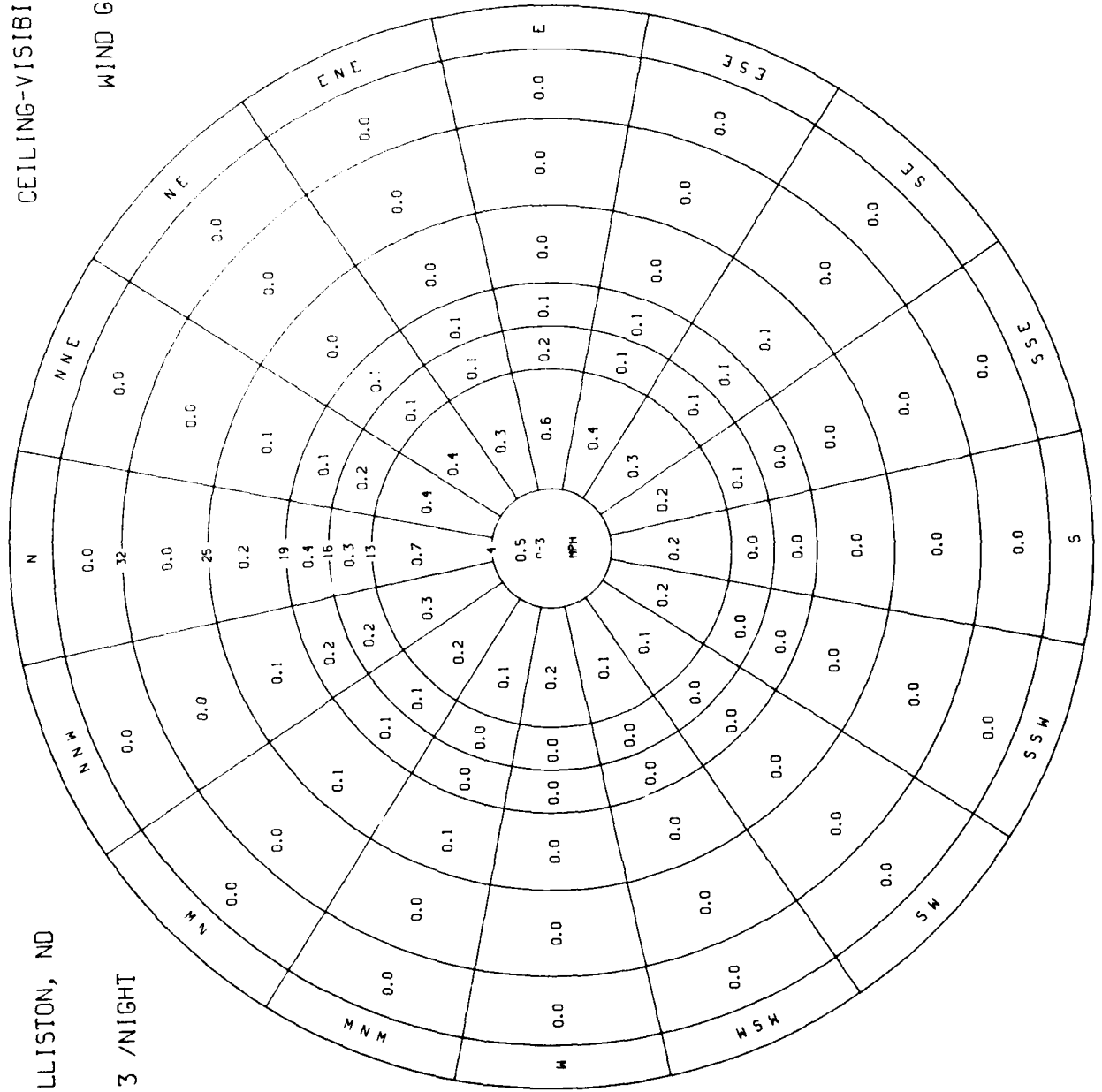
NO. OBS.: 1849

STATION NUMBER: 94014

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.0	.5	5.5	.4	4.7	.5	5.4	.3	3.2	.1	1.0	.0	.0	1.8 19.8
NNE	.0	.0	.3	3.2	.1	1.2	.2	1.9	.1	1.4	.0	.4	.0	.2	.8 8.3
NE	.0	.1	.3	2.9	.1	1.2	.1	.9	.1	.7	.0	.2	.0	.0	.5 5.9
ENE	.0	.0	.3	3.0	.1	.8	.1	.6	.0	.5	.0	.1	.0	.0	.5 4.9
E	.0	.1	.6	6.2	.2	2.4	.1	1.4	.1	.8	.0	.3	.0	.0	1.0 11.1
ESE	.0	.1	.3	2.8	.2	1.7	.1	1.4	.1	.6	.0	.1	.0	.0	.6 6.6
SSE	.0	.1	.3	3.1	.1	.8	.1	1.1	.0	.3	.0	.3	.0	.1	.5 5.8
S	.0	.2	.2	2.1	.1	.8	.0	.4	.0	.1	.0	.0	.0	.0	.3 3.5
SSW	.0	.1	.1	1.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2 1.8
SW	.0	.1	.1	.9	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.1 1.0
WSW	.0	.1	.1	1.1	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.2 1.8
W	.0	.0	.1	1.6	.1	1.0	.1	.6	.1	.8	.0	.2	.0	.1	.4 4.2
WNW	.0	.0	.1	1.0	.1	.8	.0	.5	.1	.6	.0	.2	.0	.1	.3 3.2
NW	.0	.1	.2	2.3	.1	1.4	.2	1.9	.2	2.3	.1	.7	.0	.1	.8 8.7
NNW	.0	.0	.2	1.7	.2	1.7	.2	2.0	.2	1.9	.1	.6	.0	.2	.7 8.1
CALM	.2	2.2													.2 2.2
TOTAL	.3	3.0	3.8	41.5	1.8	19.3	1.7	18.4	1.2	13.2	.4	4.0	.1	.6	9.2 100

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ISN WILLISTON, ND

PERIOD: 1967-1978

CLASS 3 / NIGHT

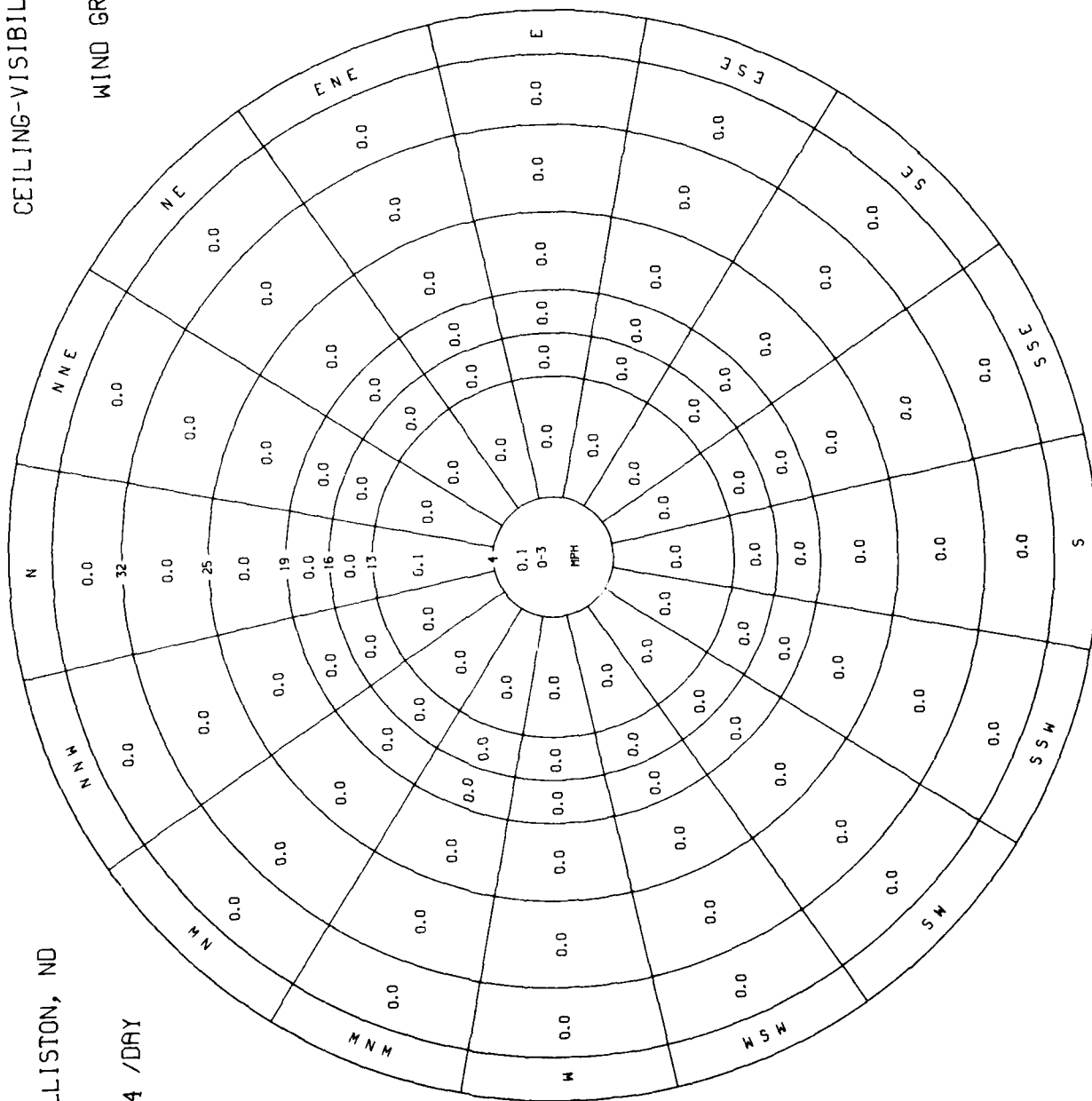
STATION NUMBER: 94014

NO. OBS.: 1325

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.1	.7	7.3	.3	3.5	.4	4.8	.2	2.4	.0	.4	.0	.0	1.7 18.5
NNE	.0	.2	.4	4.8	.2	1.8	.1	1.7	.1	.8	.0	.2	.0	.0	.8 9.4
NE	.0	.2	.4	4.3	.1	.8	.1	.9	.0	.4	.0	.2	.0	.0	.6 6.7
ENE	.0	.2	.3	3.4	.1	.7	.1	.7	.0	.3	.0	.2	.0	.0	.5 5.4
E	.0	.1	.6	6.5	.2	1.9	.1	1.2	.0	.5	.0	.1	.0	.1	.9 10.3
ESE	.0	.0	.4	3.9	.1	1.0	.1	1.3	.0	.5	.0	.0	.0	.0	.6 6.7
SE	.0	.1	.3	3.4	.1	1.3	.1	1.1	.1	.6	.0	.2	.0	.0	.6 6.7
SSE	.0	.2	.2	2.2	.1	1.0	.0	.2	.0	.2	.0	.0	.0	.0	.3 3.7
S	.0	.5	.2	2.3	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.3 3.2
SSW	.0	.0	.2	1.8	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.2 2.1
SW	.0	.1	.1	1.4	.0	.1	.0	.2	.0	.1	.0	.0	.0	.0	.2 1.7
WSW	.0	.0	.1	1.0	.0	.1	.0	.2	.0	.0	.0	.0	.0	.0	.1 1.2
W	.0	.2	.2	1.7	.0	.4	.0	.4	.0	.2	.0	.3	.0	.0	.3 3.2
WNW	.0	.0	.1	1.6	.0	.5	.0	.4	.1	.6	.0	.2	.0	.1	.3 3.2
NW	.0	.1	.2	1.9	.1	.8	.1	1.1	.1	1.5	.0	.4	.0	.0	.5 5.7
NNW	.0	.0	.3	3.1	.2	1.8	.2	1.8	.1	1.1	.0	.5	.0	.1	.7 8.4
CALM	.3	3.6													.3 3.6
TOTAL	.5	5.5	4.5	50.5	1.4	16.1	1.4	15.9	.8	9.4	.2	2.4	.0	.2	8.9 100
															12.0

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ISN WILLISTON, ND

PERIOD: 1967-1978

CLASS 4 / DAY

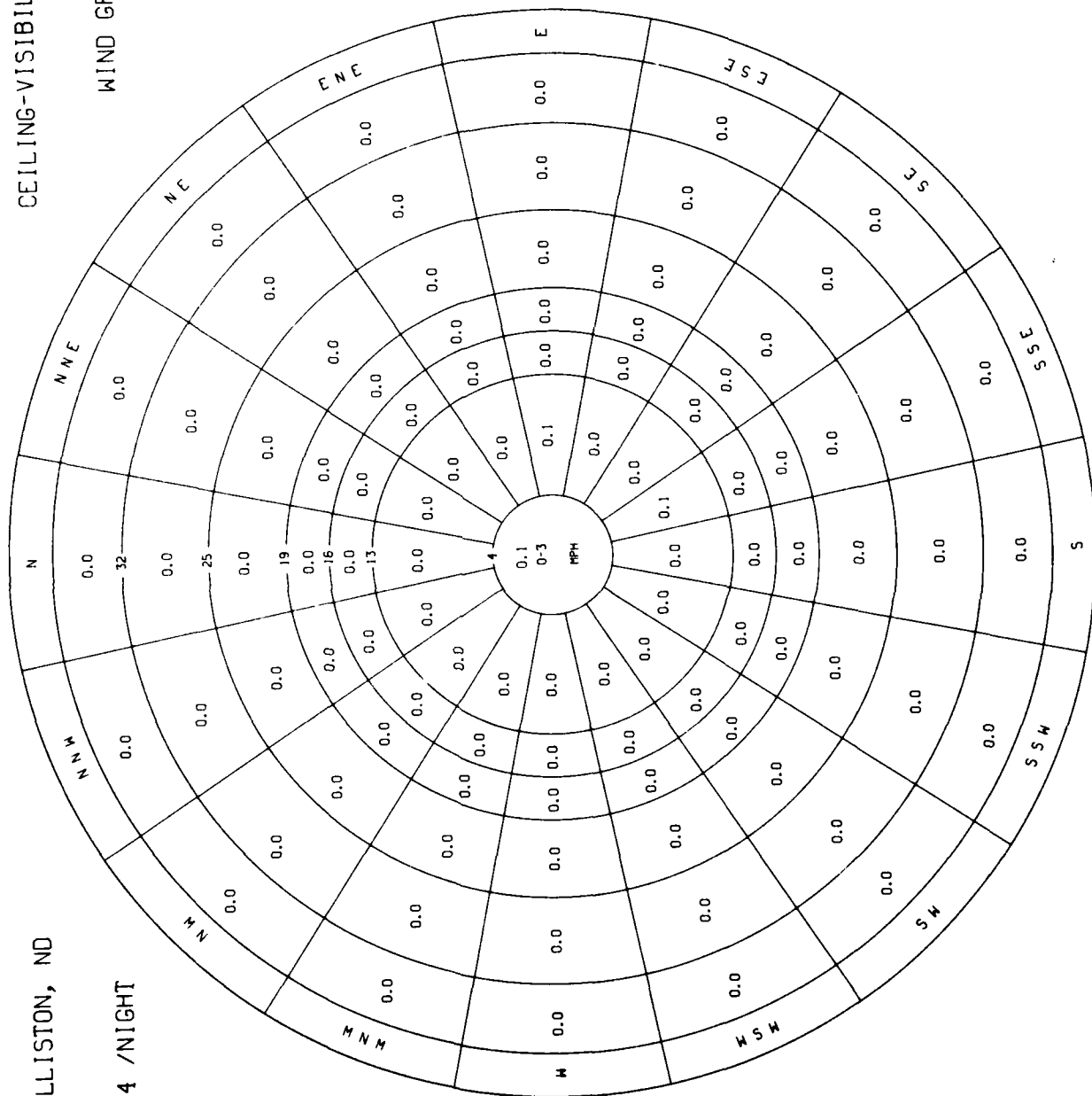
STATION NUMBER: 94014

NO. OBS.: 176

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.0	.0	.1	9.1	.0	2.8	.0	1.7	.0	4.5	.0	.6	.0	.0	.2	18.8	14.3
NNE	.0	.0	.0	4.0	.0	1.7	.0	1.1	.0	.6	.0	.0	.0	.0	.1	7.4	12.0
NE	.0	.0	.0	1.7	.0	.6	.0	2.8	.0	1.1	.0	.0	.0	.0	.1	6.3	14.8
ENE	.0	.0	.0	2.3	.0	.6	.0	.0	.0	1.1	.0	.6	.0	.0	.0	4.5	13.0
E	.0	.6	.0	5.7	.0	1.1	.0	4.0	.0	.6	.0	.0	.0	.6	.1	12.5	13.4
ESE	.0	.0	.0	2.8	.0	1.1	.0	.0	.0	.0	.0	1.1	.0	.0	.0	5.1	14.2
SE	.0	.6	.0	1.7	.0	1.7	.0	.6	.0	1.1	.0	.0	.0	.0	.0	5.7	13.6
SSE	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	9.0
S	.0	.0	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	8.0
SSW	.0	.6	.0	4.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.1	6.8
SW	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	5.0
WSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	.0	.6	.0	.0	.0	2.8	22.0
WNW	.0	.6	.0	.0	.0	.0	.0	.6	.0	.0	.0	.6	.0	.6	.0	2.3	21.0
NW	.0	.6	.0	.6	.0	.0	.0	1.1	.0	4.0	.0	1.7	.0	1.7	.1	9.7	23.0
NNW	.0	.0	.0	2.8	.0	.0	.0	.6	.0	1.7	.0	1.1	.0	.0	.1	6.3	17.1
CALM	.1	8.0													.1	8.0	
TOTAL	.1	10.8	.4	40.9	.1	9.7	.1	12.5	.1	17.0	.1	6.3	.0	2.8	.9	100	13.4

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ISN WILLISTON, ND

PERIOD: 1967-1978

CLASS 4 / NIGHT

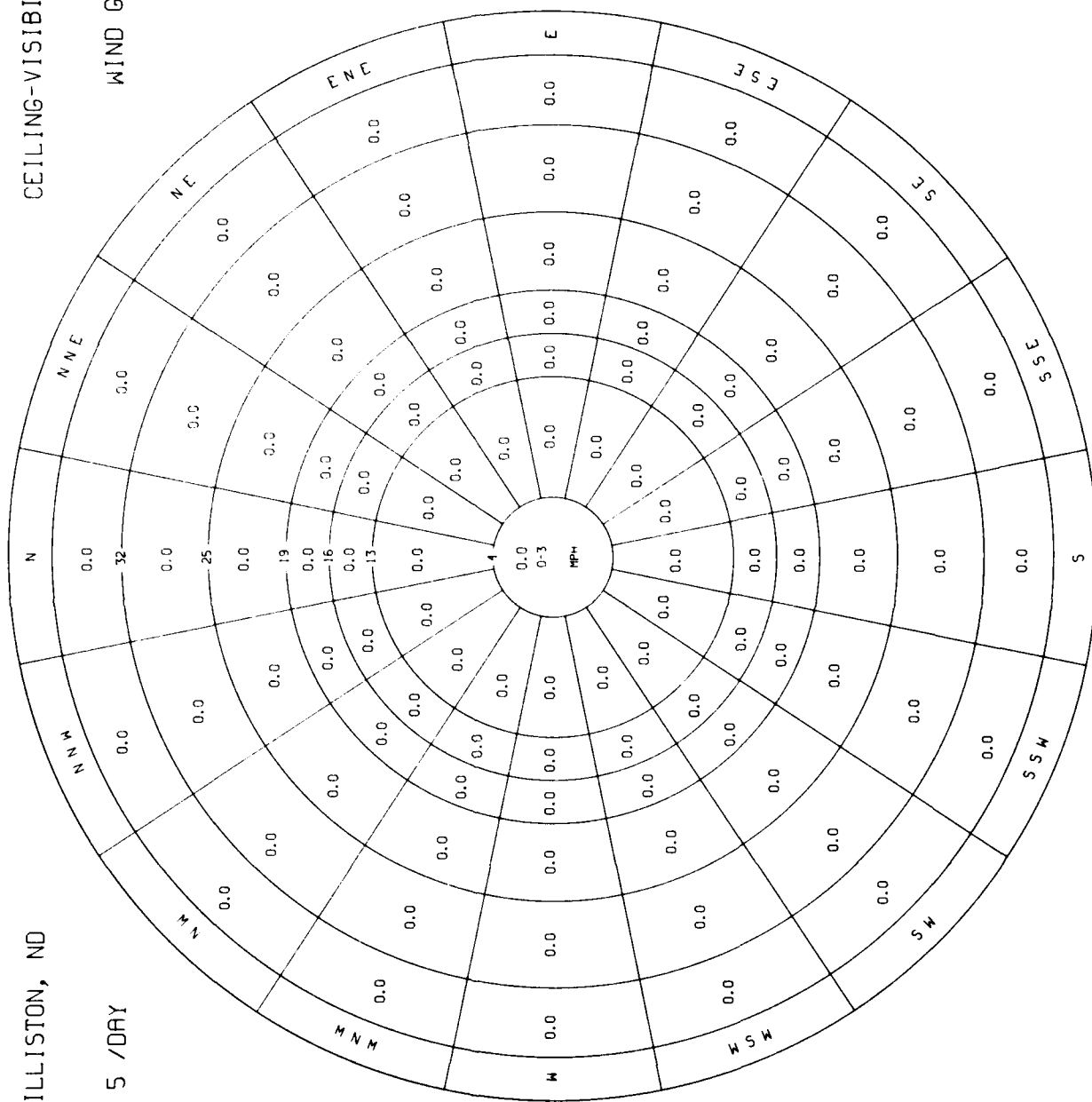
STATION NUMBER: 94014

NO. OBS.: 126

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C
N	.0	.0	.0	.8	.0	1.6	.0	3.2	.0	3.2	.0	3.2	.0	.0	.1	11.9	19.5
NNE	.0	.8	.0	1.6	.0	2.4	.0	1.6	.0	1.6	.0	.8	.0	.0	.1	8.7	14.9
NE	.0	.0	.0	4.0	.0	.0	.0	2.4	.0	1.6	.0	.0	.0	.0	.1	7.9	13.2
ENE	.0	.0	.0	4.8	.0	.8	.0	.0	.0	2.4	.0	.0	.0	.0	.1	7.9	12.5
E	.0	.0	.1	7.9	.0	.8	.0	.0	.0	.8	.0	.8	.0	.0	.1	10.3	11.3
ESE	.0	.0	.0	2.4	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	3.2	10.7
SE	.0	.0	.0	3.2	.0	.8	.0	.0	.0	.8	.0	.0	.0	.0	.0	4.8	11.3
SSE	.0	.0	.1	6.3	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.1	9.2
S	.0	.0	.0	4.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.6	8.7
SSW	.0	.8	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	5.5
SW	.0	.0	.0	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	11.5
WSW	.0	.0	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	5.7
W	.0	.0	.0	.8	.0	.0	.0	.0	.0	.8	.0	.8	.0	.0	.0	2.4	18.3
WNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.0	1.6	.0	.0	.0	2.4	26.7
NW	.0	.0	.0	.8	.0	.0	.0	.0	.0	.8	.0	1.6	.0	.0	.0	3.2	22.7
NNW	.0	.0	.0	2.4	.0	.0	.0	2.4	.0	.8	.0	3.2	.0	.8	.1	9.5	20.4
CALM	.1	7.9													.1	7.9	
TOTAL	.1	9.5	.4	45.2	.1	8.7	.1	10.3	.1	13.5	.1	11.9	.0	.8	.8	100	13.1

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1967-1978

STATION NAME: ISN WILLISTON, ND

CLASS 5 / DAY

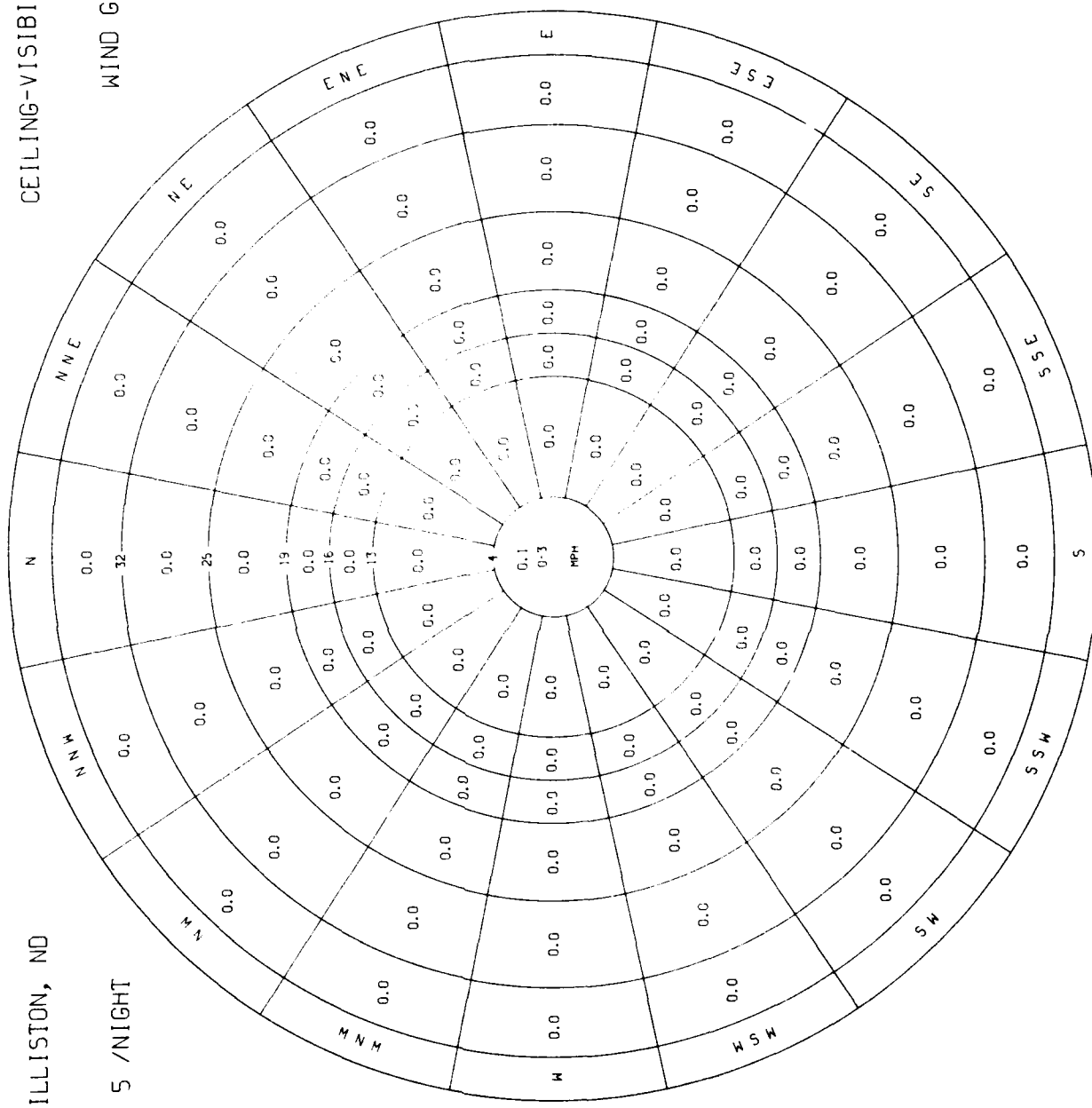
NO. OBS.: 43

STATION NUMBER: 94014

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.0	.0	9.3	.0	.0	.0	.0	.0	2.3	.0	4.7	.0	2.3	.0 18.6
NNE	.0	.0	.0	7.0	.0	.0	.0	.0	.0	4.7	.0	.0	.0	.0	.0 11.6
NE	.0	.0	.0	2.3	.0	.0	.0	4.7	.0	.0	.0	.0	.0	.0	.0 7.0
ENE	.0	.0	.0	2.3	.0	.0	.0	2.3	.0	2.3	.0	.0	.0	.0	.0 7.0
E	.0	.0	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.3
ESE	.0	.0	.0	.0	.0	2.3	.0	2.3	.0	.0	.0	.0	.0	.0	.0 4.7
SE	.0	.0	.0	4.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.7
SSE	.0	.0	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.3
S	.0	.0	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.3
SSW	.0	.0	.0	4.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.7
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .0
WSW	.0	.0	.0	2.3	.0	.0	.0	.0	.0	.0	.0	2.3	.0	.0	.0 2.3
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.3
WNW	.0	.0	.0	.0	.0	.0	.0	2.3	.0	.0	.0	7.0	.0	.0	.0 9.3
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.7	.0	.0	.0 4.7
NNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	.0	.0	.0 2.3
CALM	.0	14.0													.0 14.0
TOTAL	.0	14.0	.1	39.5	.0	2.3	.0	11.6	.0	9.3	.0	20.9	.0	2.3	.2 100
															14.1

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ISN WILLISTON, ND

PERIOD: 1967-1978

CLASS 5 / NIGHT

STATION NUMBER: 94014

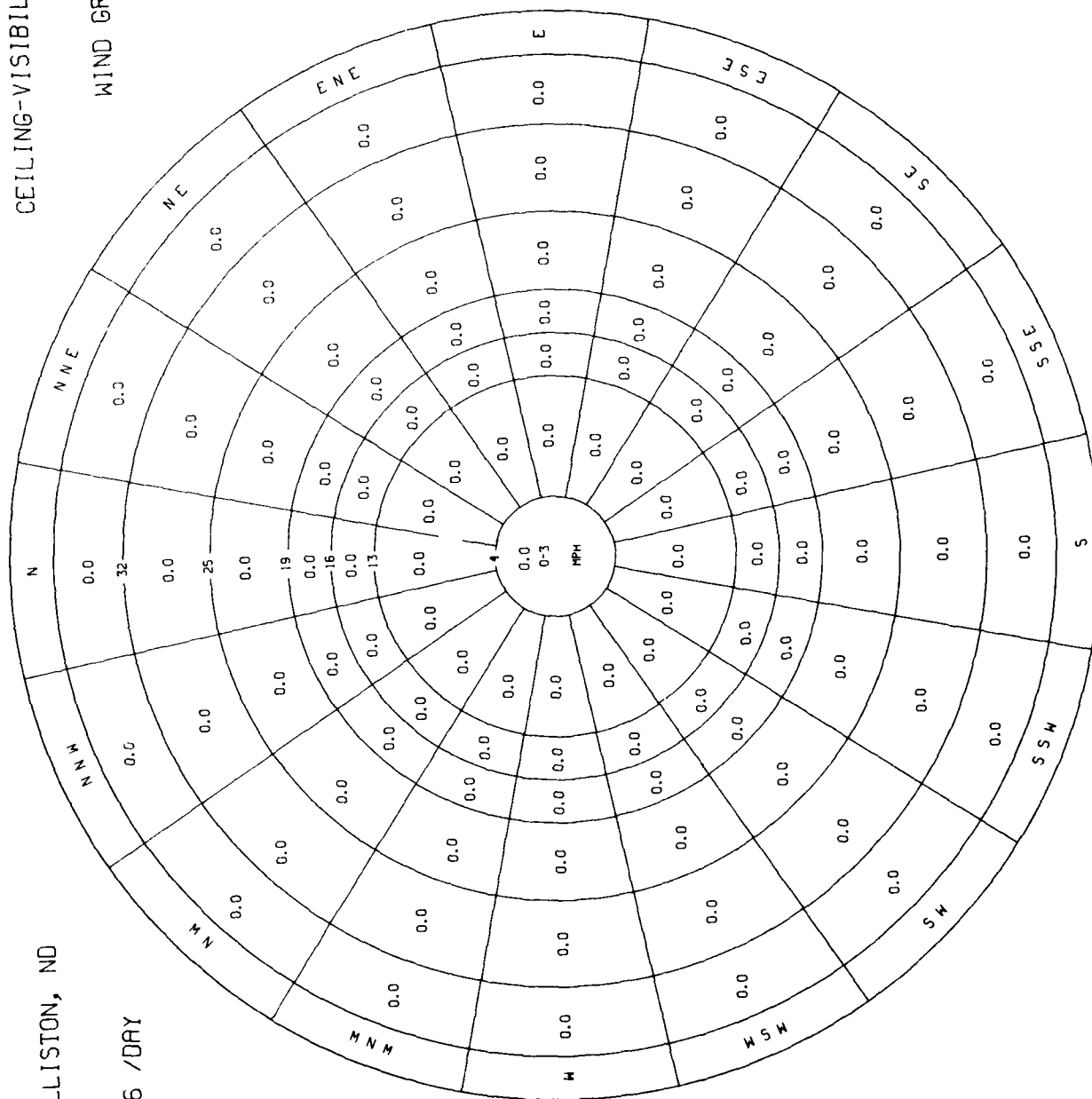
NO. OBS.: 48

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.0	.0	8.3	.0	.0	.0	.0	.0	6.3	.0	.0	.0	.0	.0 14.6
NNE	.0	2.1	.0	10.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 12.5
NE	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.1
ENE	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.1
E	.0	.0	.0	8.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 8.3
ESE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .0
SE	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	2.1	.0	.0	.0 4.2
SSE	.0	.0	.0	4.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.2
S	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.1
SSW	.0	.0	.0	10.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 10.4
SW	.0	2.1	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.2
WSW	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.1
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .0
WNW	.0	2.1	.0	2.1	.0	.0	.0	.0	.0	.0	.0	4.2	.0	.0	.0 8.3
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	.0	.0	.0 4.2
NNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	.0	.0	.0	.0	.0 2.1
CALM	.1	18.8													.1 18.8
TOTAL	.1	25.0	.2	56.3	.0	.0	.0	.0	.0	8.3	.0	10.4	.0	.0	.3 100
															9.4

CEILING-VISIBILITY WIND GRAPH

ISN WILLISTON, ND

CLASS 6 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ISN WILLISTON, ND

PERIOD: 1967-1978

CLASS 6 / DAY

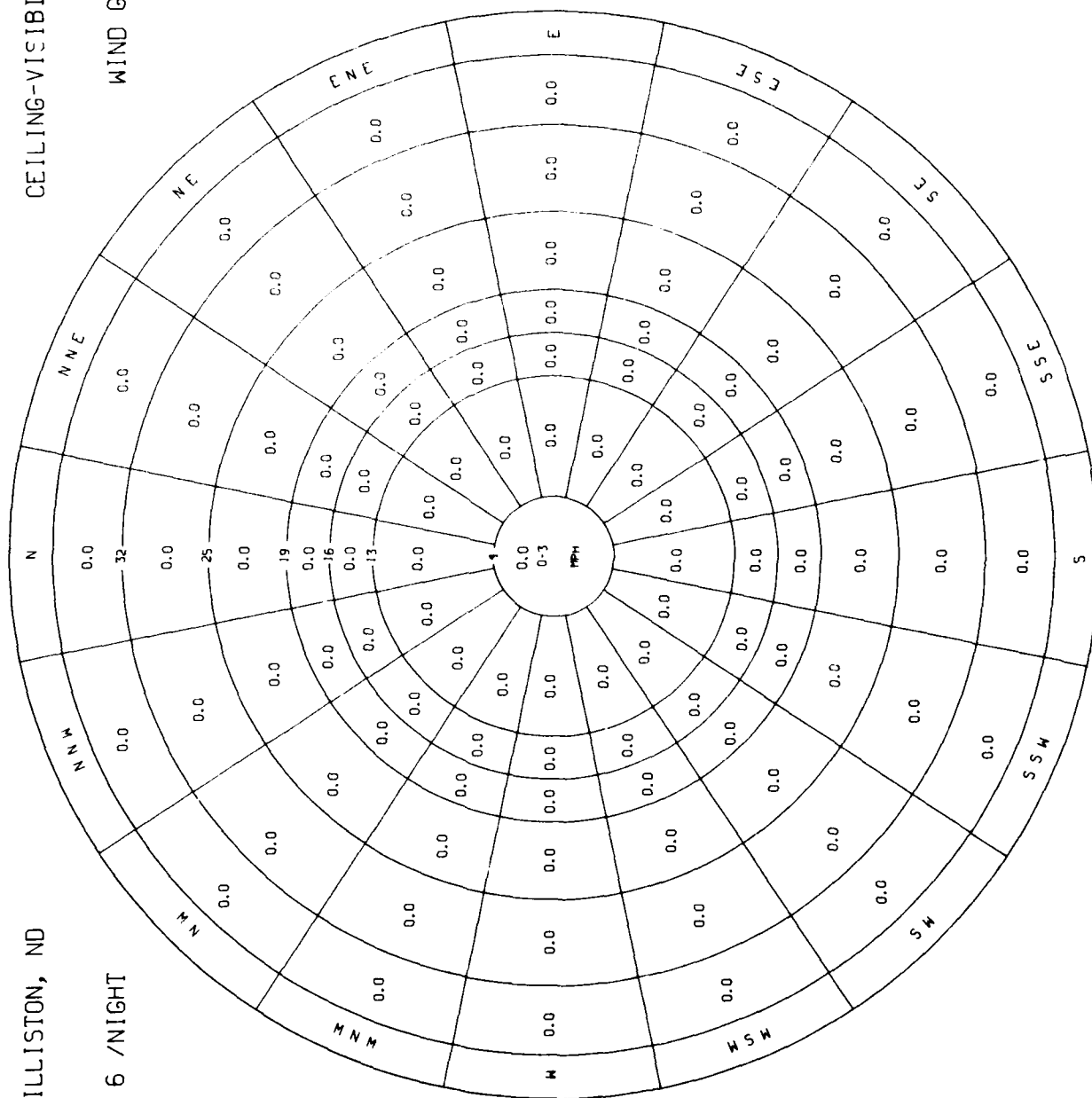
STATION NUMBER: 94014

NO. OBS.: 40

D I R	SPEED GROUPS (MPH)																AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL			
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D		
N	.0	.0	.0	2.5	.0	.0	.0	.0	.0	2.5	.0	2.5	.0	2.5	.0	10.0	23.7	
NNE	.0	2.5	.0	10.0	.0	.0	.0	.0	.0	.0	.0	7.5	.0	.0	.0	20.0	15.0	
NE	.0	2.5	.0	2.5	.0	.0	.0	.0	.0	.0	.0	5.0	.0	2.5	.0	12.5	19.6	
ENE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
E	.0	.0	.0	5.0	.0	.0	.0	.0	.0	.0	.0	5.0	.0	.0	.0	10.0	17.2	
ESE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
SE	.0	.0	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	5.0	
SSE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
SSW	.0	.0	.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0	7.0	
SW	.0	2.5	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0	4.0	
WSW	.0	.0	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	6.0	
W	.0	.0	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	6.0	
WNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	.0	.0	.0	2.5	30.0	
NNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0	.0	2.5	.0	10.0	28.5	
CALM	.0	17.5													.0	17.5		
TOTAL	.0	25.0	.1	35.0	.0	.0	.0	.0	2.5	.0	2.5	.1	27.5	.0	7.5	.2	100	14.1

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1967-1978

STATION NAME: ISN WILLISTON, ND

CLASS 6 / NIGHT

NO. OBS.: 22

STATION NUMBER: 94014

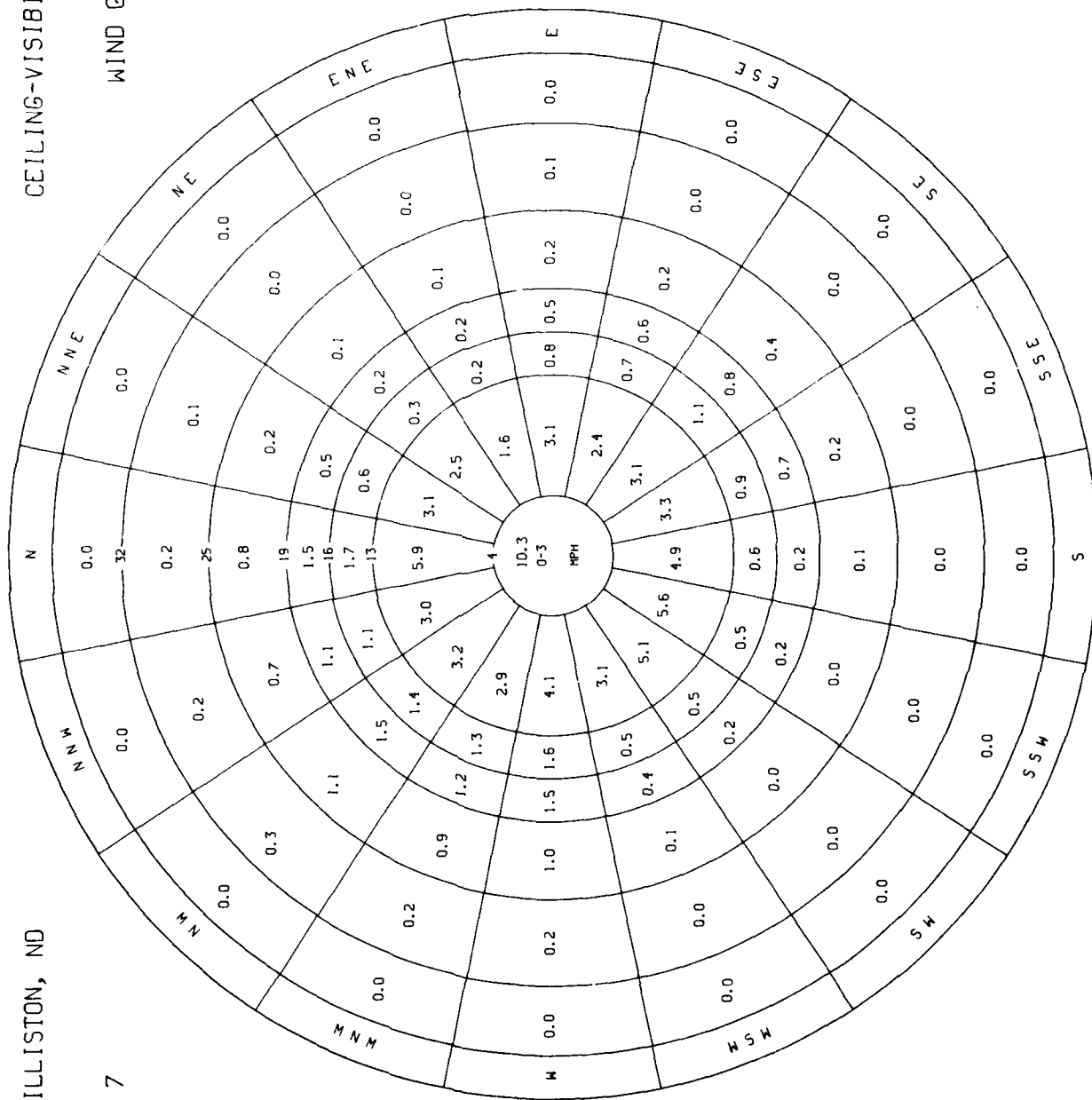
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.0	.0	.0	.0	4.5	.0	.0	.0	.0	.0	.0	.0	4.5	.0 9.1
NNE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NNE	.0	.0	.0	9.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 9.1
ENE	.0	.0	.0	4.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.5
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
ESE	.0	.0	.0	4.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.5
SE	.0	.0	.0	9.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 9.1
SSE	.0	.0	.0	4.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.5
S	.0	.0	.0	4.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.5
SSW	.0	4.5	.0	4.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 9.1
SW	.0	.0	.0	4.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.5
WSW	.0	.0	.0	4.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.5
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
WNW	.0	4.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.5	.0 9.1
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.1	.0	.0	.0 9.1
NNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.5	.0	.0	.0 4.5
CALM	.0	13.6													.0 13.6
TOTAL	.0	22.7	.1	50.0	.0	4.5	.0	.0	.0	.0	.0	13.6	.0	9.1	.1 100
															11.5

ISN WILLISTON, ND

CLASS 7

CEILING-VISIBILITY

WIND GRAPH

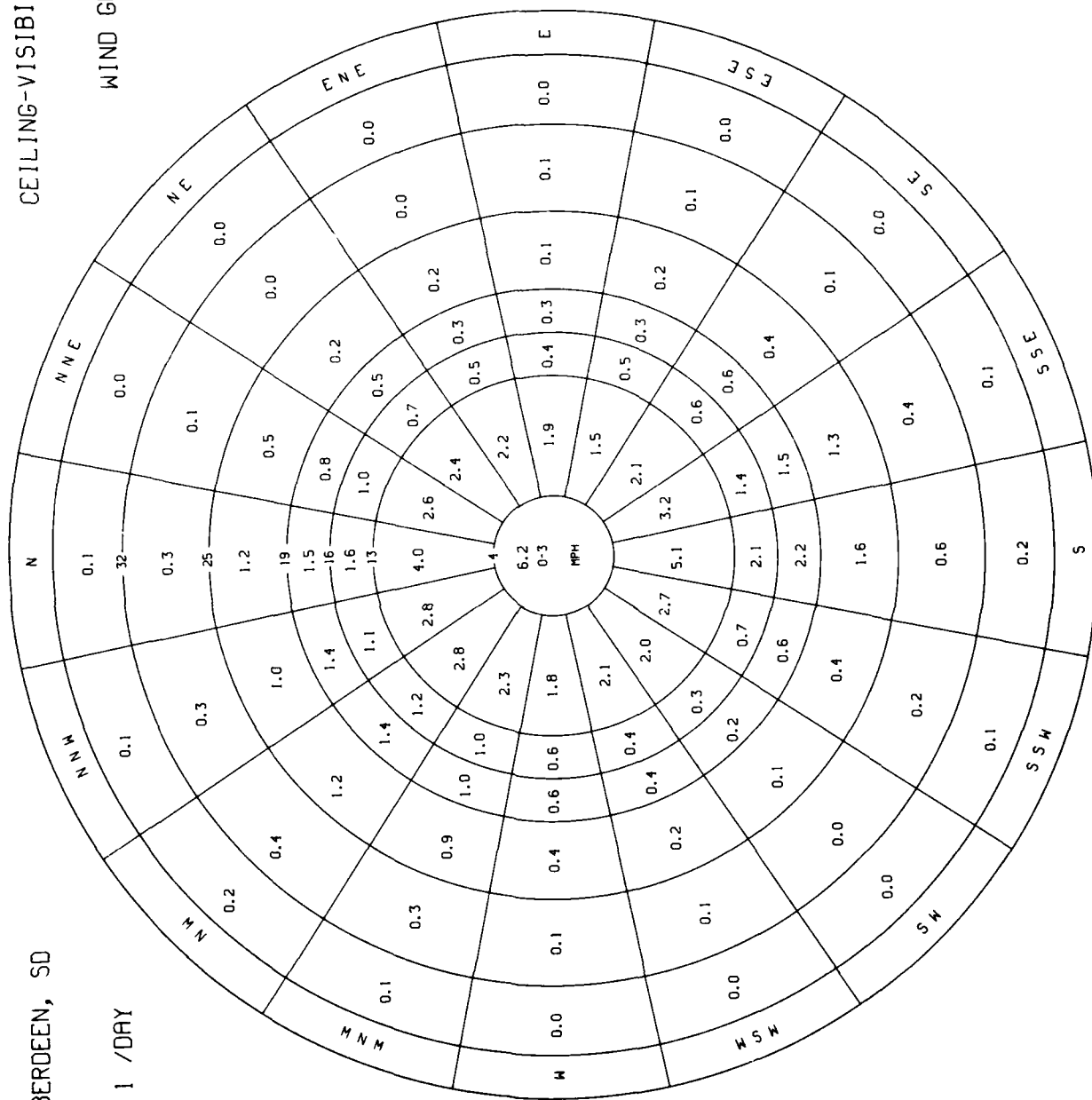


CEILING-VISIBILITY

WIND GRAPH

ABR ABERDEEN, SD

CLASS 1 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1977

STATION NAME: ABR ABERDEEN, SD

CLASS 1 / DAY

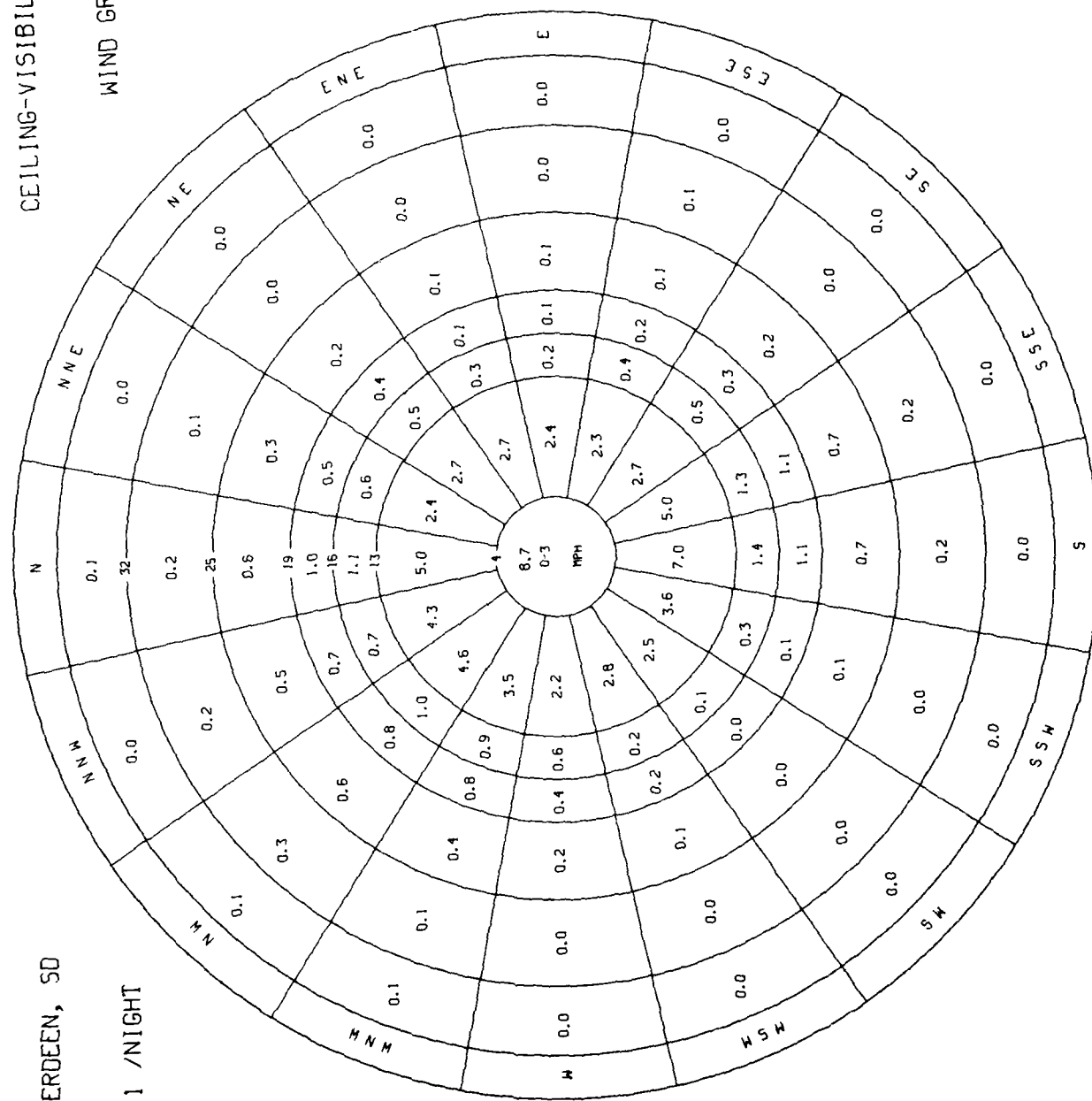
NO. OBS.: 28359

STATION NUMBER: 14929

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.4	.5	4.0	4.4	1.6	1.8	1.5	1.7	1.2	1.4	.3	.3	.1	.1	9.0	10.0	13.1
NNE	.3	.3	2.6	2.9	1.0	1.1	.8	.9	.5	.6	.1	.2	.0	.1	5.4	6.0	12.5
NE	.3	.4	2.4	2.7	.7	.8	.5	.5	.2	.3	.0	.1	.0	.0	4.3	4.7	10.9
ENE	.4	.4	2.2	2.4	.5	.6	.3	.4	.2	.2	.0	.0	.0	.0	3.6	4.0	10.1
E	.3	.3	1.9	2.1	.4	.5	.3	.3	.1	.2	.1	.1	.0	.0	3.1	3.4	10.3
ESE	.3	.3	1.5	1.7	.5	.5	.3	.3	.2	.2	.1	.1	.0	.0	2.9	3.2	11.4
SE	.2	.3	2.1	2.3	.6	.7	.6	.6	.4	.4	.1	.1	.0	.0	4.0	4.5	12.1
SSE	.3	.4	3.2	3.6	1.4	1.6	1.5	1.7	1.3	1.4	.4	.5	.1	.2	8.4	9.4	14.3
S	.5	.5	5.1	5.7	2.1	2.3	2.2	2.4	1.6	1.8	.6	.7	.2	.2	12.3	13.7	13.9
SSW	.3	.3	2.7	3.1	.7	.8	.6	.6	.4	.4	.2	.2	.1	.1	4.9	5.5	11.9
SW	.2	.3	2.0	2.3	.3	.3	.2	.2	.1	.1	.0	.0	.0	.0	2.9	3.2	9.4
WSW	.3	.3	2.1	2.3	.4	.4	.4	.4	.2	.2	.1	.1	.0	.0	3.3	3.7	10.7
W	.2	.2	1.8	2.0	.6	.7	.6	.7	.4	.4	.1	.1	.0	.0	3.7	4.2	12.6
WNW	.2	.3	2.3	2.5	1.0	1.2	1.0	1.1	.9	1.0	.3	.4	.1	.1	5.9	6.6	14.4
NW	.2	.2	2.8	3.1	1.2	1.4	1.4	1.6	1.2	1.3	.4	.5	.2	.2	7.4	8.2	14.7
NNW	.3	.3	2.8	3.1	1.1	1.2	1.4	1.6	1.0	1.1	.3	.4	.1	.1	7.0	7.8	13.9
CALM	1.5	1.7													1.5	1.7	
TOTAL	6.2	6.9	41.5	46.3	14.2	15.8	13.5	15.1	9.9	11.0	3.3	3.7	1.0	1.1	89.6	100	12.6

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ABR ABERDEEN, SD

PERIOD: 1948-1977

CLASS 1 / NIGHT

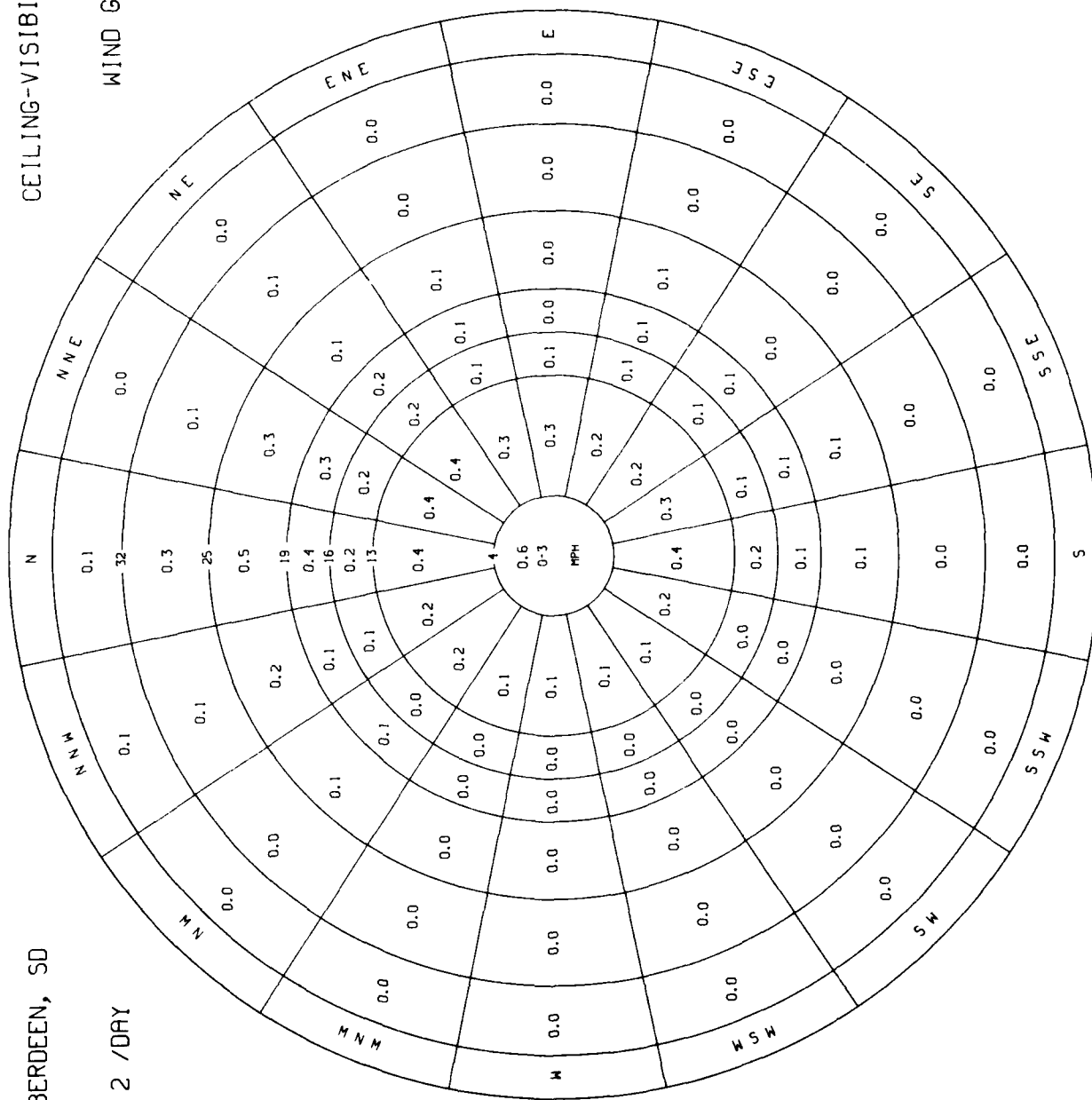
STATION NUMBER: 14929

NO. OBS.: 23791

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.6	.7	5.0	5.6	1.1	1.2	1.0	1.1	.6	.7	.2	.2	.1	.1	8.5	9.6	11.0
NNE	.3	.3	2.4	2.7	.6	.7	.5	.5	.3	.3	.1	.1	.0	.0	4.3	4.8	11.2
NE	.4	.4	2.7	3.0	.5	.5	.4	.4	.2	.2	.0	.0	.0	.0	4.1	4.6	9.6
ENE	.4	.4	2.7	3.1	.3	.4	.1	.2	.1	.1	.0	.0	.0	.0	3.6	4.1	8.5
E	.4	.4	2.4	2.7	.2	.2	.1	.1	.1	.1	.0	.0	.0	.0	3.2	3.6	8.2
ESE	.3	.3	2.3	2.6	.4	.4	.2	.2	.1	.1	.1	.1	.0	.0	3.4	3.8	9.6
SE	.3	.3	2.7	3.1	.5	.6	.3	.4	.2	.2	.0	.0	.0	.0	4.1	4.6	9.9
SSE	.3	.4	5.0	5.6	1.3	1.4	1.1	1.2	.7	.8	.2	.3	.0	.1	8.7	9.8	11.8
S	.7	.8	7.0	7.9	1.4	1.5	1.1	1.2	.7	.8	.2	.3	.0	.1	11.1	12.5	10.6
SSW	.5	.5	3.6	4.1	.3	.3	.1	.1	.1	.1	.0	.0	.0	.0	4.6	5.2	8.2
SW	.5	.5	2.5	2.8	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	3.1	3.5	6.9
WSW	.4	.5	2.8	3.1	.2	.3	.2	.2	.1	.1	.0	.0	.0	.0	3.7	4.2	8.4
W	.3	.4	2.2	2.4	.6	.7	.4	.4	.2	.2	.0	.1	.0	.0	3.7	4.1	10.4
WNW	.3	.4	3.5	3.9	.9	1.0	.8	.9	.4	.4	.1	.1	.1	.1	6.1	6.8	11.6
NW	.4	.5	4.6	5.1	1.0	1.1	.8	.9	.6	.7	.3	.3	.1	.1	7.7	8.6	11.6
NNW	.4	.4	4.3	4.8	.7	.8	.7	.8	.5	.6	.2	.2	.0	.0	6.8	7.6	10.8
CALM	2.4	2.7													2.4	2.7	
TOTAL	8.7	9.8	55.5	62.5	10.0	11.3	7.8	8.8	4.9	5.5	1.5	1.7	.4	.4	88.8	100	10.0

ABR ABERDEEN, SD

CLASS 2 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ABR ABERDEEN, SD

PERIOD: 1948-1977

CLASS 2 / DAY

STATION NUMBER: 14929

NO. OBS.: 3276

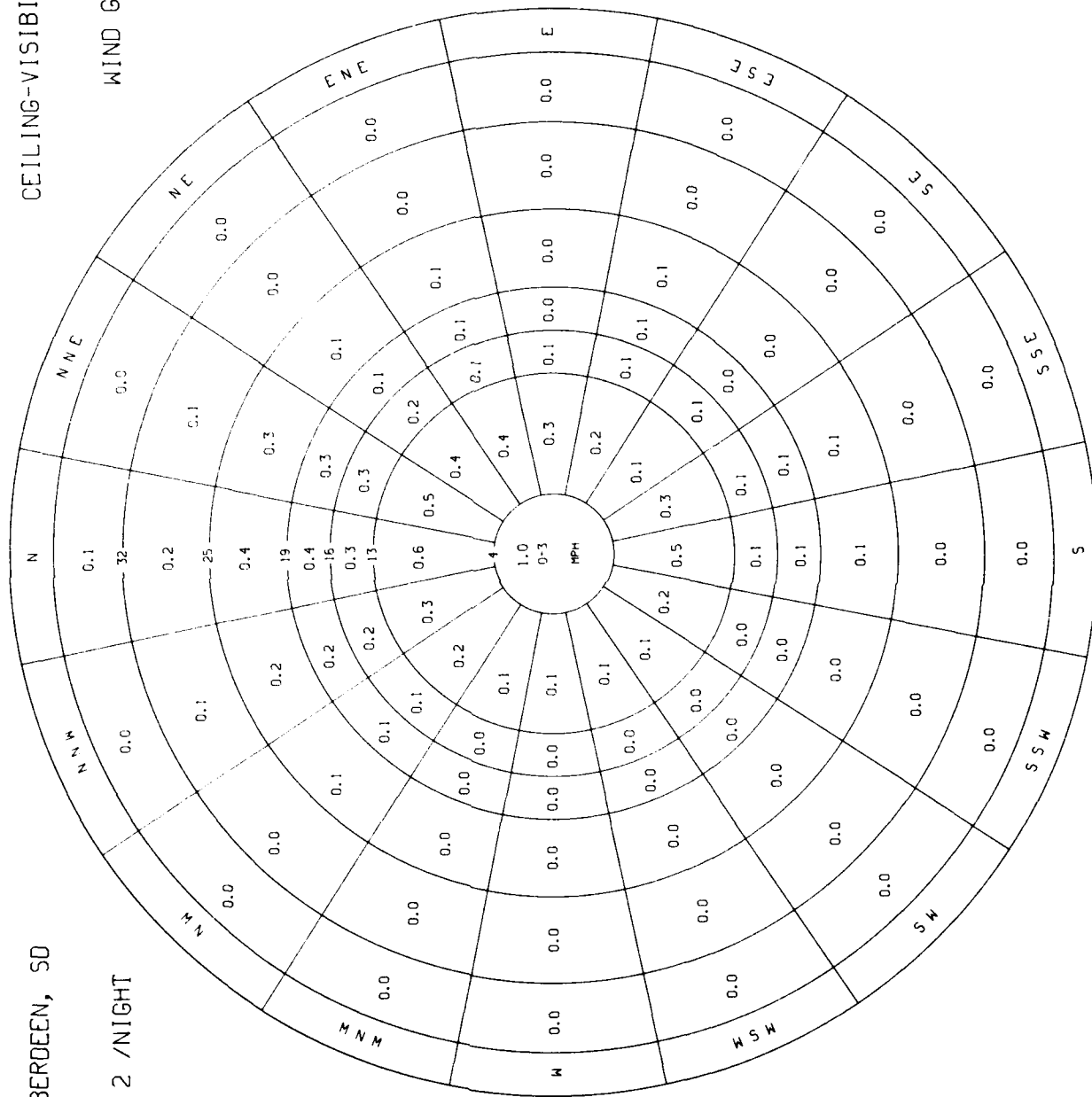
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.0	.4	.4	4.0	.2	2.4	.4	3.4	.5	4.4	.3	2.5	.1	1.3	1.9	18.4	18.5
NNE	.0	.5	.4	4.2	.2	2.0	.3	2.8	.3	2.5	.1	.9	.0	.4	1.4	13.2	15.7
NE	.0	.2	.4	3.7	.2	1.6	.2	1.6	.1	1.3	.1	.5	.0	.3	1.0	9.2	14.8
ENE	.0	.3	.3	2.8	.1	1.2	.1	1.0	.1	.7	.0	.3	.0	.1	.7	6.4	13.2
E	.0	.2	.3	2.6	.1	.9	.0	.4	.0	.4	.0	.1	.0	.1	.5	4.5	12.2
ESE	.0	.2	.2	1.7	.1	.9	.1	.7	.1	.5	.0	.2	.0	.0	.4	4.2	13.2
SE	.0	.2	.1	1.7	.1	.8	.1	.8	.0	.4	.0	.2	.0	.0	.4	4.1	12.7
SSE	.0	.2	.3	2.9	.1	1.1	.1	1.4	.1	1.1	.0	.2	.0	.1	.7	7.1	14.1
S	.0	.2	.4	3.6	.2	1.7	.1	1.3	.1	.9	.0	.4	.0	.1	.9	8.2	13.3
SSW	.0	.3	.2	1.9	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.3	2.8	9.5
SW	.0	.2	.1	.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.2	8.2
WSW	.0	.2	.1	.9	.0	.2	.0	.0	.0	.1	.0	.0	.0	.0	.2	1.5	9.1
W	.0	.0	.1	.5	.0	.2	.0	.1	.0	.2	.0	.1	.0	.1	.1	1.1	15.4
WNW	.0	.2	.1	1.1	.0	.3	.0	.4	.0	.5	.0	.2	.0	.3	.3	2.9	16.0
NW	.0	.2	.2	1.6	.0	.4	.1	.7	.1	1.0	.0	.3	.0	.4	.5	4.7	16.4
NNW	.0	.1	.2	2.2	.1	1.1	.1	1.2	.2	2.2	.1	1.3	.1	.5	.9	8.7	18.6
CALM	.2	1.7													.2	1.7	
TOTAL	.6	5.4	3.8	36.3	1.6	15.1	1.7	16.1	1.7	16.0	.8	7.4	.4	3.6	10.4	100	15.0

CEILING-VISIBILITY

WIND GRAPH

ABR ABERDEEN, SD

CLASS 2 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ABR ABERDEEN, SD

PERIOD: 1948-1977

CLASS 2 / NIGHT

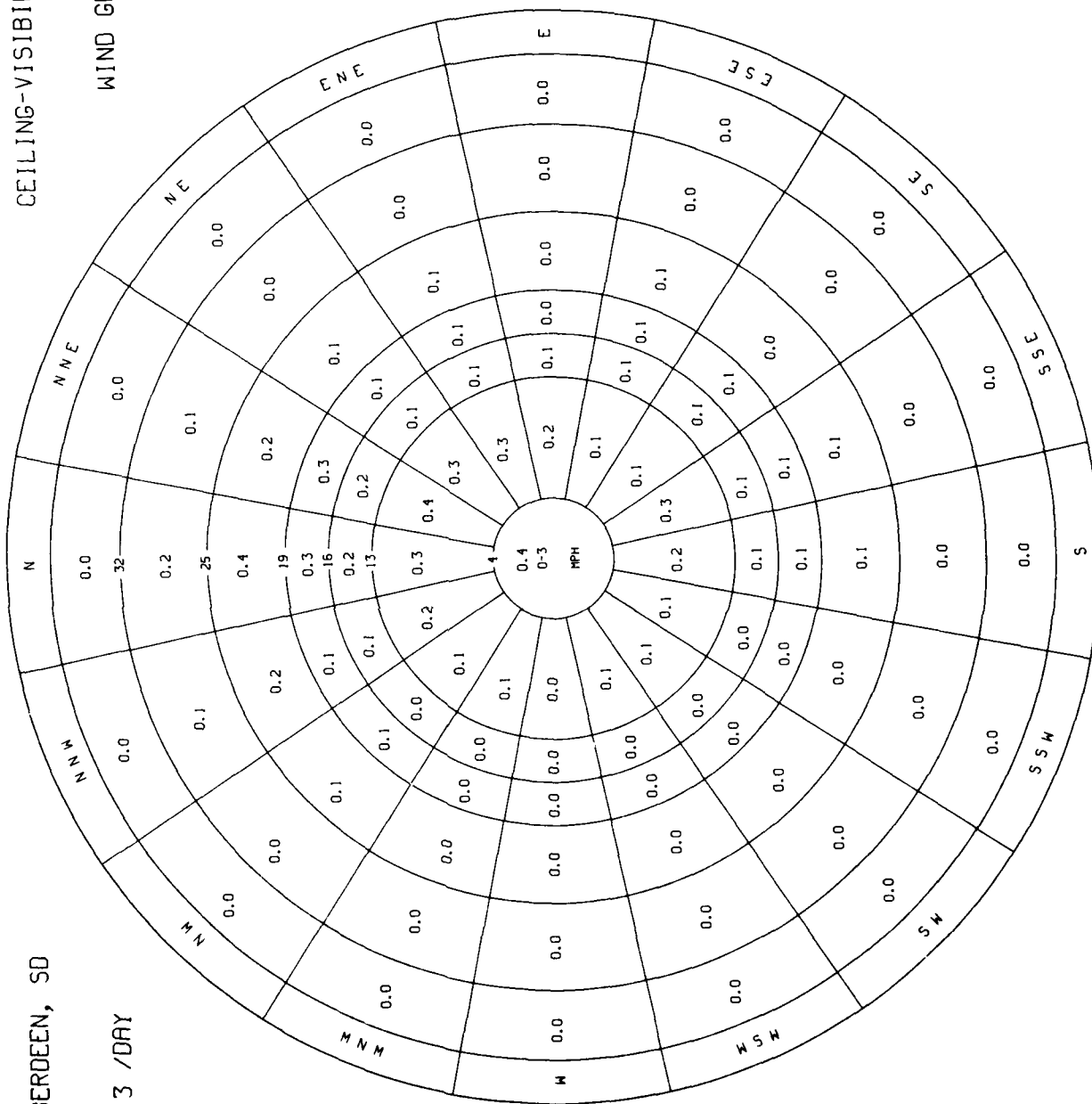
STATION NUMBER: 14929

NO. OBS.: 2996

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	.5	.6	5.7	.3	2.6	.4	3.8	.4	3.8	.2	1.9	.1	1.3	2.2 19.6
NNE	.0	.4	.5	4.5	.3	2.6	.3	2.4	.3	2.3	.1	.8	.0	.4	1.5 13.5
NNE	.0	.3	.4	3.5	.2	1.7	.1	1.1	.1	.7	.0	.4	.0	.2	.9 7.9
ENE	.1	.5	.4	3.8	.1	1.2	.1	.5	.1	.6	.0	.3	.0	.0	.8 6.9
E	.0	.4	.3	2.7	.1	.6	.0	.4	.0	.2	.0	.1	.0	.0	.5 4.5
ESE	.0	.3	.2	1.8	.1	.5	.1	.5	.1	.5	.0	.1	.0	.0	.4 3.7
SE	.0	.2	.1	1.3	.1	.6	.0	.4	.0	.3	.0	.0	.0	.0	.3 2.8
SSE	.1	.6	.3	2.6	.1	1.1	.1	1.2	.1	1.0	.0	.4	.0	.1	.8 7.1
S	.1	.9	.5	4.6	.1	.8	.1	.7	.1	.8	.0	.1	.0	.0	.9 7.9
SSW	.1	.5	.2	1.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.3 2.6
SW	.0	.3	.1	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 1.5
WSW	.0	.4	.1	1.2	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2 1.8
W	.0	.2	.1	.7	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.1 1.3
WNW	.0	.3	.1	.9	.0	.2	.0	.3	.0	.1	.0	.2	.0	.1	.2 2.1
NW	.0	.3	.2	1.9	.1	.6	.1	.7	.1	.3	.0	.4	.0	.2	.6 5.1
NNW	.0	.4	.3	3.0	.2	1.4	.2	1.4	.2	2.1	.1	.8	.0	.4	1.1 9.6
CALM	.2	2.1											.3	2.9	.2 2.1
TOTAL	1.0	8.7	4.6	41.3	1.6	14.5	1.5	13.7	1.5	13.3	.6	5.6	.3	2.9	11.2 100

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ABR ABERDEEN, SD

PERIOD: 1948-1977

CLASS 3 / DAY

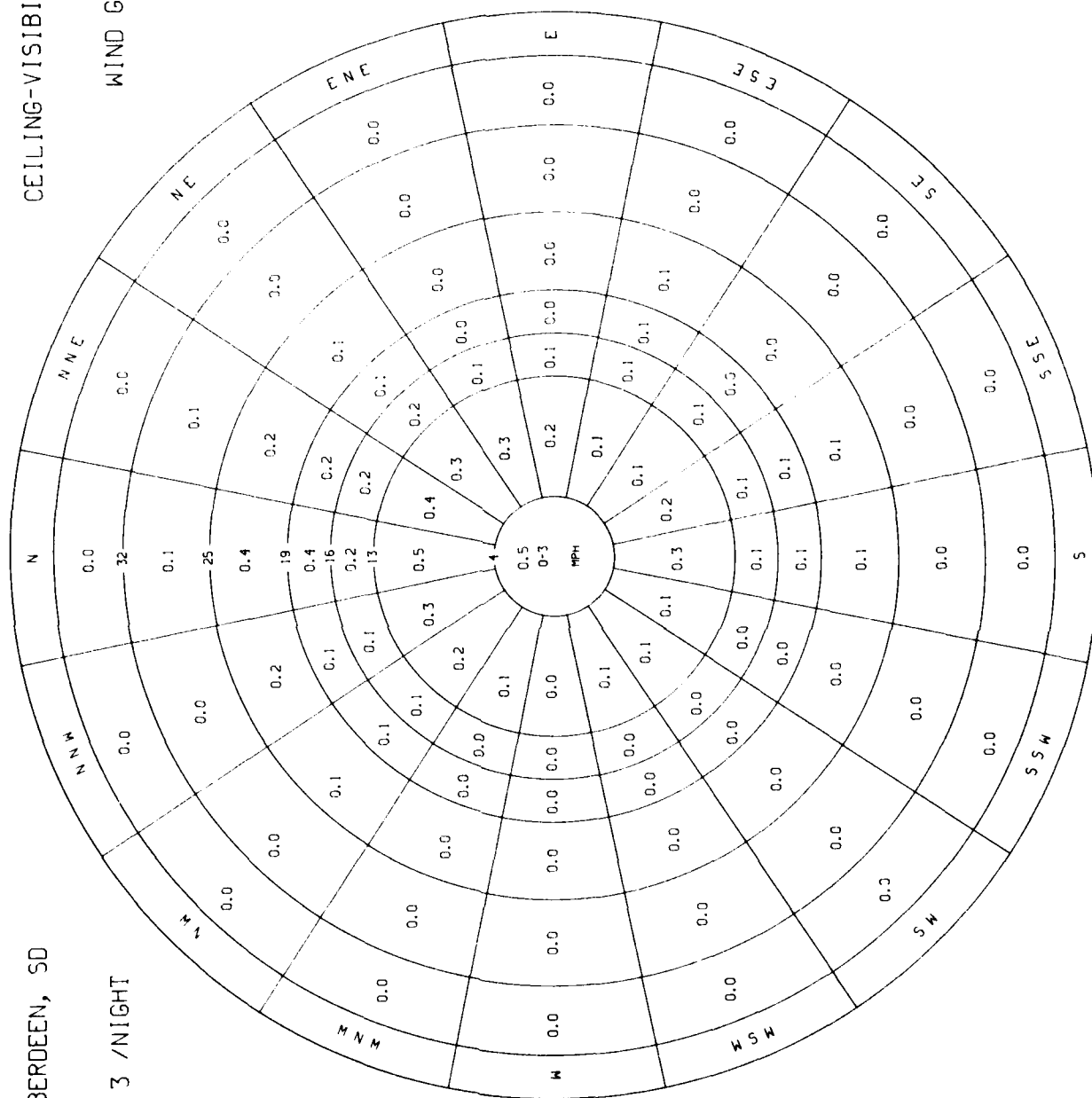
STATION NUMBER: 14929

NO. OBS.: 2679

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.0	.3	.3	4.1	.2	2.7	.3	3.8	.4	4.6	.2	2.1	.0	.5	1.5	18.0	17.5
NNE	.0	.4	.4	4.5	.2	1.9	.3	3.0	.2	2.7	.1	.7	.0	.2	1.1	13.5	15.3
NE	.0	.2	.3	3.5	.1	1.7	.1	1.8	.1	1.2	.0	.5	.0	.2	.8	9.1	14.7
ENE	.0	.3	.3	3.1	.1	1.3	.1	1.2	.1	.6	.0	.3	.0	.1	.6	6.9	13.1
E	.0	.2	.2	2.5	.1	.9	.0	.3	.0	.4	.0	.1	.0	.1	.4	4.6	12.3
ESE	.0	.2	.1	1.8	.1	.9	.1	.7	.1	.6	.0	.3	.0	.0	.4	4.5	13.8
SE	.0	.2	.1	1.7	.1	.9	.1	.8	.0	.4	.0	.1	.0	.0	.3	4.1	12.8
SSE	.0	.2	.3	3.0	.1	1.2	.1	1.5	.1	1.3	.0	.3	.0	.1	.6	7.5	14.3
S	.0	.2	.2	2.9	.1	1.6	.1	1.4	.1	1.0	.0	.5	.0	.0	.6	7.7	14.0
SSW	.0	.3	.1	1.3	.0	.2	.0	.2	.0	.1	.0	.0	.0	.0	.2	2.1	10.3
SW	.0	.1	.1	.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.2	8.6
WSW	.0	.2	.1	1.0	.0	.2	.0	.0	.0	.1	.0	.0	.0	.0	.1	1.6	9.2
W	.0	.0	.0	.5	.0	.1	.0	.1	.0	.2	.0	.1	.0	.1	.1	1.2	16.2
WNW	.0	.2	.1	1.0	.0	.3	.0	.4	.0	.5	.0	.2	.0	.3	.3	3.0	16.5
NW	.0	.2	.1	1.6	.0	.5	.1	.8	.1	1.0	.0	.4	.0	.3	.4	4.8	16.1
NNW	.0	.1	.2	2.4	.1	1.3	.1	1.4	.2	2.3	.1	1.0	.0	.4	.7	8.8	17.8
CALM	.1	1.4													.1	1.4	
TOTAL	.4	4.8	3.0	35.6	1.4	16.0	1.5	17.7	1.4	16.9	.6	6.7	.2	2.4	8.5	100	14.8

CEILING-VISIBILITY WIND GRAPH

ABR ABERDEEN, SD
CLASS 3 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ABR ABERDEEN, SD

PERIOD: 1948-1977

CLASS 3 / NIGHT

STATION NUMBER: 14929

NO. OBS.: 2182

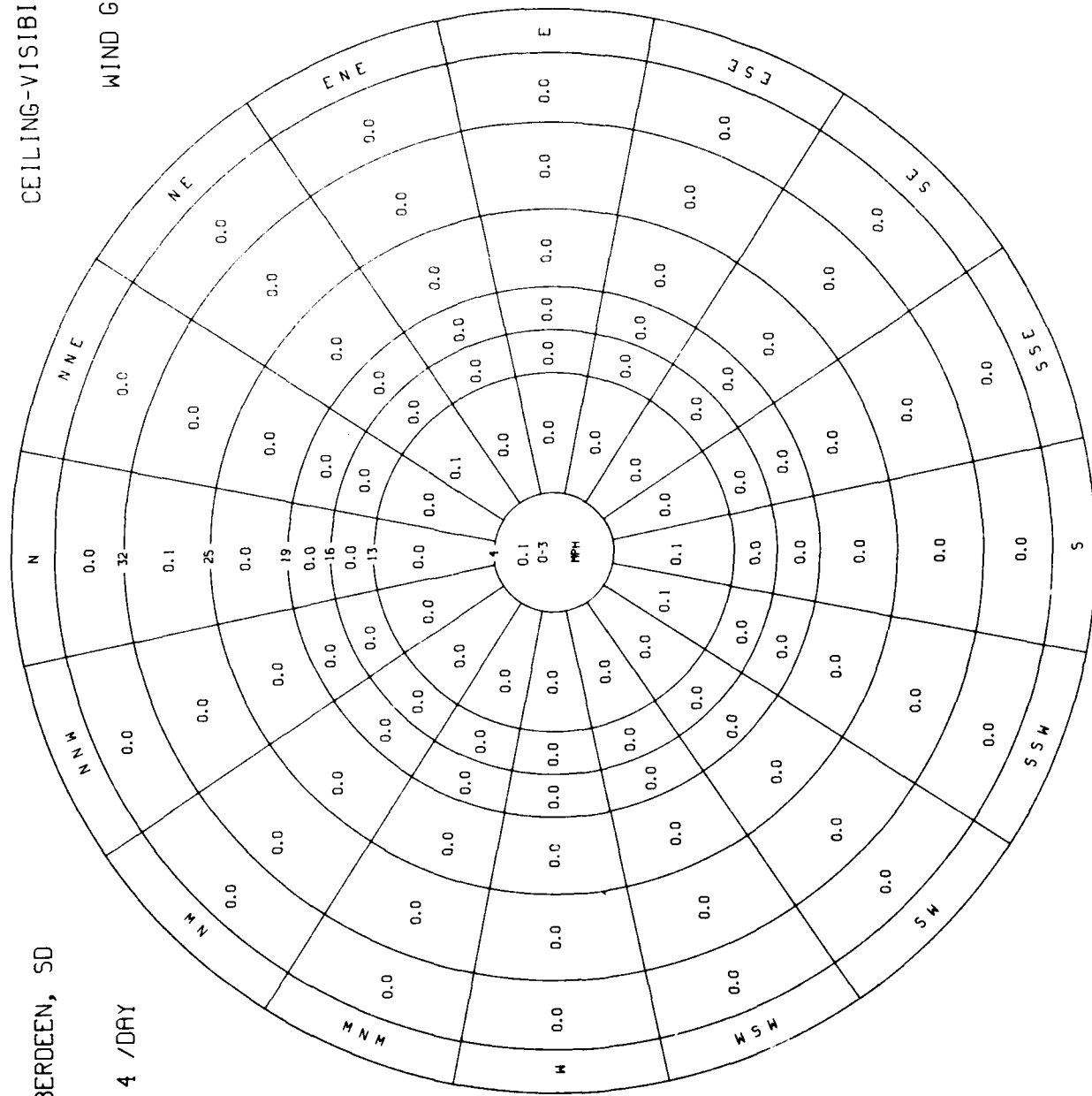
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.3	.5	5.8	.2	3.0	.4	4.9	.4	4.4	.1	1.7	.0	.4	1.7 20.5
NNE	.0	.4	.4	4.8	.2	2.9	.2	3.0	.2	2.4	.1	.7	.0	.3	1.2 14.5
NNE	.0	.1	.3	3.5	.2	1.9	.1	1.3	.1	.7	.0	.4	.0	.1	.7 8.1
ENE	.0	.5	.3	4.0	.1	1.4	.0	.5	.0	.6	.0	.2	.0	.0	.6 7.2
E	.0	.3	.2	2.9	.1	.8	.0	.5	.0	.3	.0	.1	.0	.0	.4 4.9
ESE	.0	.2	.1	1.8	.1	.7	.1	.7	.1	.6	.0	.1	.0	.0	.3 4.1
SE	.0	.2	.1	1.5	.1	.7	.0	.4	.0	.4	.0	.0	.0	.0	.3 3.2
SSE	.0	.4	.2	2.3	.1	1.2	.1	1.4	.1	1.1	.0	.5	.0	.1	.5 7.1
S	.0	.5	.3	3.4	.1	.6	.1	.7	.1	.7	.0	.1	.0	.0	.5 6.0
SSW	.0	.3	.1	1.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 1.6
SW	.0	.4	.1	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 1.2
WSW	.0	.3	.1	.8	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1 1.2
W	.0	.2	.0	.6	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.1 1.2
WNW	.0	.2	.1	.8	.0	.3	.0	.3	.0	.2	.0	.1	.0	.0	.2 1.9
NW	.0	.3	.2	2.2	.1	.7	.1	1.0	.1	.9	.0	.4	.0	.1	.5 5.6
NNW	.0	.3	.3	3.3	.1	1.6	.1	1.6	.2	2.4	.0	.6	.0	.3	.8 10.1
CALM	.1	1.3													.1 1.3
TOTAL	.5	6.1	3.2	39.6	1.3	16.4	1.4	16.6	1.2	14.9	.4	4.9	.1	1.5	8.1 100

CEILING-VISIBILITY

WIND GRAPH

ABR ABERDEEN, SD

CLASS 4 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1977

STATION NAME: ABR ABERDEEN, SD

CLASS 4 / DAY

NO. OBS.: 372

STATION NUMBER: 14929

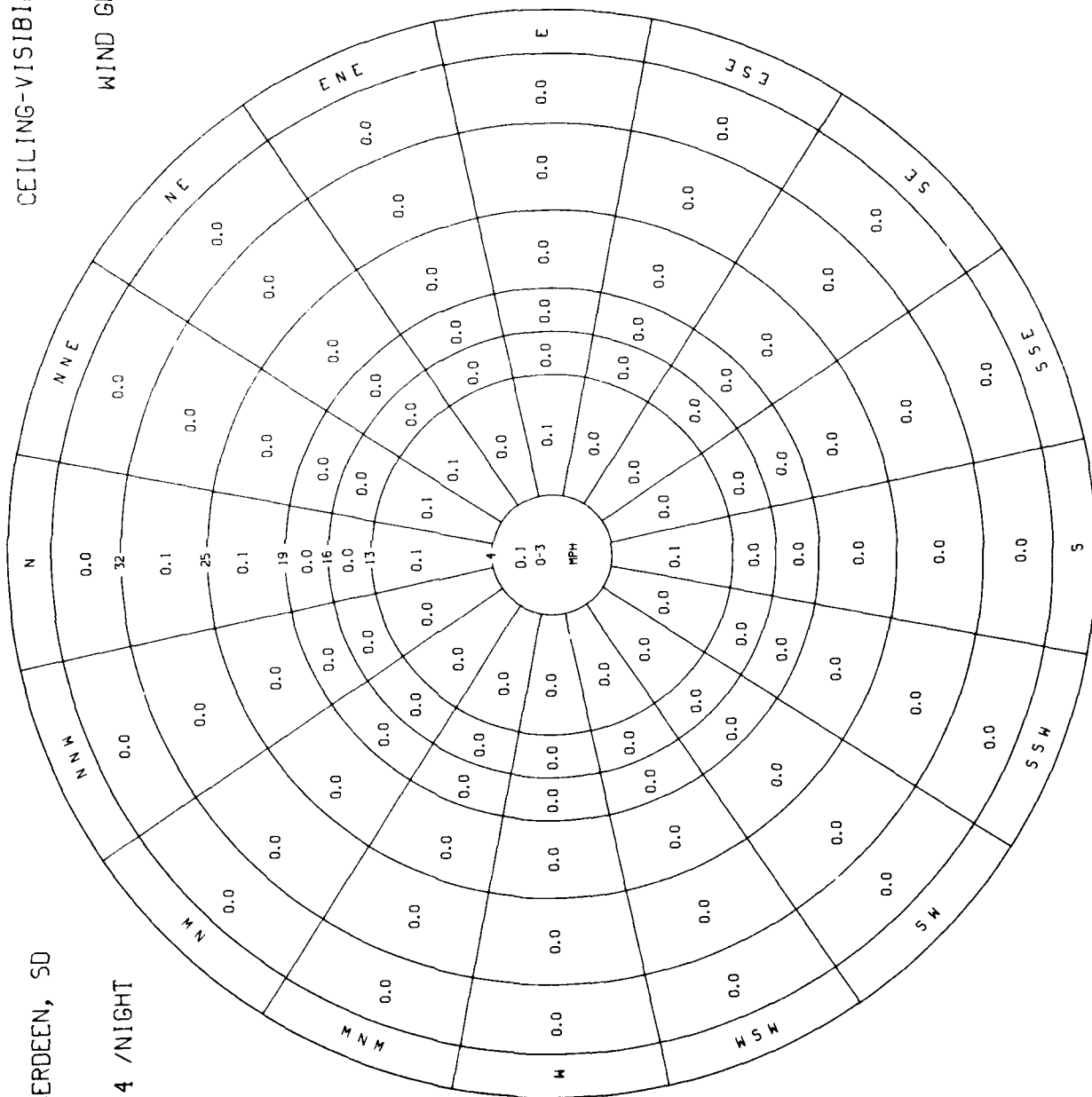
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.0	.8	.0	3.2	.0	1.3	.0	2.2	.0	4.0	.1	5.1	.0	1.6	.2	18.3	20.5
NNE	.0	.3	.0	3.5	.0	3.0	.0	3.0	.0	1.9	.0	1.1	.0	.3	.2	12.9	16.2
NE	.0	.3	.1	5.4	.0	1.9	.0	1.1	.0	1.1	.0	.0	.0	.3	.1	9.9	13.6
ENE	.0	.5	.0	1.9	.0	1.3	.0	.0	.0	1.1	.0	.0	.0	.0	.1	4.8	12.8
E	.0	.0	.0	3.0	.0	.3	.0	.8	.0	.5	.0	.3	.0	.0	.1	4.8	12.7
ESE	.0	.3	.0	.8	.0	1.3	.0	.5	.0	.0	.0	.0	.0	.0	.0	3.0	11.9
SE	.0	.0	.0	2.2	.0	.3	.0	1.1	.0	.3	.0	.5	.0	.0	.1	4.3	14.1
SSE	.0	.3	.0	1.9	.0	.8	.0	1.1	.0	.5	.0	.0	.0	.3	.1	4.8	13.9
S	.0	.3	.1	8.1	.0	3.0	.0	1.3	.0	.5	.0	.3	.0	.0	.2	13.4	11.3
SSW	.0	.3	.1	4.6	.0	1.1	.0	.3	.0	.3	.0	.0	.0	.0	.1	6.5	9.0
SW	.0	.3	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	6.0
WSW	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	6.0
W	.0	.3	.0	.5	.0	.3	.0	.0	.0	.3	.0	.0	.0	.0	.0	1.3	10.0
WNW	.0	.3	.0	1.3	.0	.0	.0	.0	.0	.3	.0	.5	.0	.3	.0	2.7	16.9
NW	.0	.0	.0	1.9	.0	.0	.0	.5	.0	1.3	.0	.0	.0	.3	.0	4.0	15.8
NNW	.0	.0	.0	.5	.0	.3	.0	.5	.0	2.4	.0	1.6	.0	.3	.1	5.6	21.6
CALM	.0	1.9													.0	1.9	
TOTAL	.1	5.9	.5	39.8	.2	14.8	.1	12.4	.2	14.5	.1	9.4	.0	3.2	1.2	100	14.7

CEILING-VISIBILITY

WIND GRAPH

ABR ABERDEEN, SD

CLASS 4 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1977

STATION NAME: ABR ABERDEEN, SD

CLASS 4 / NIGHT

NO. OBS.: 444

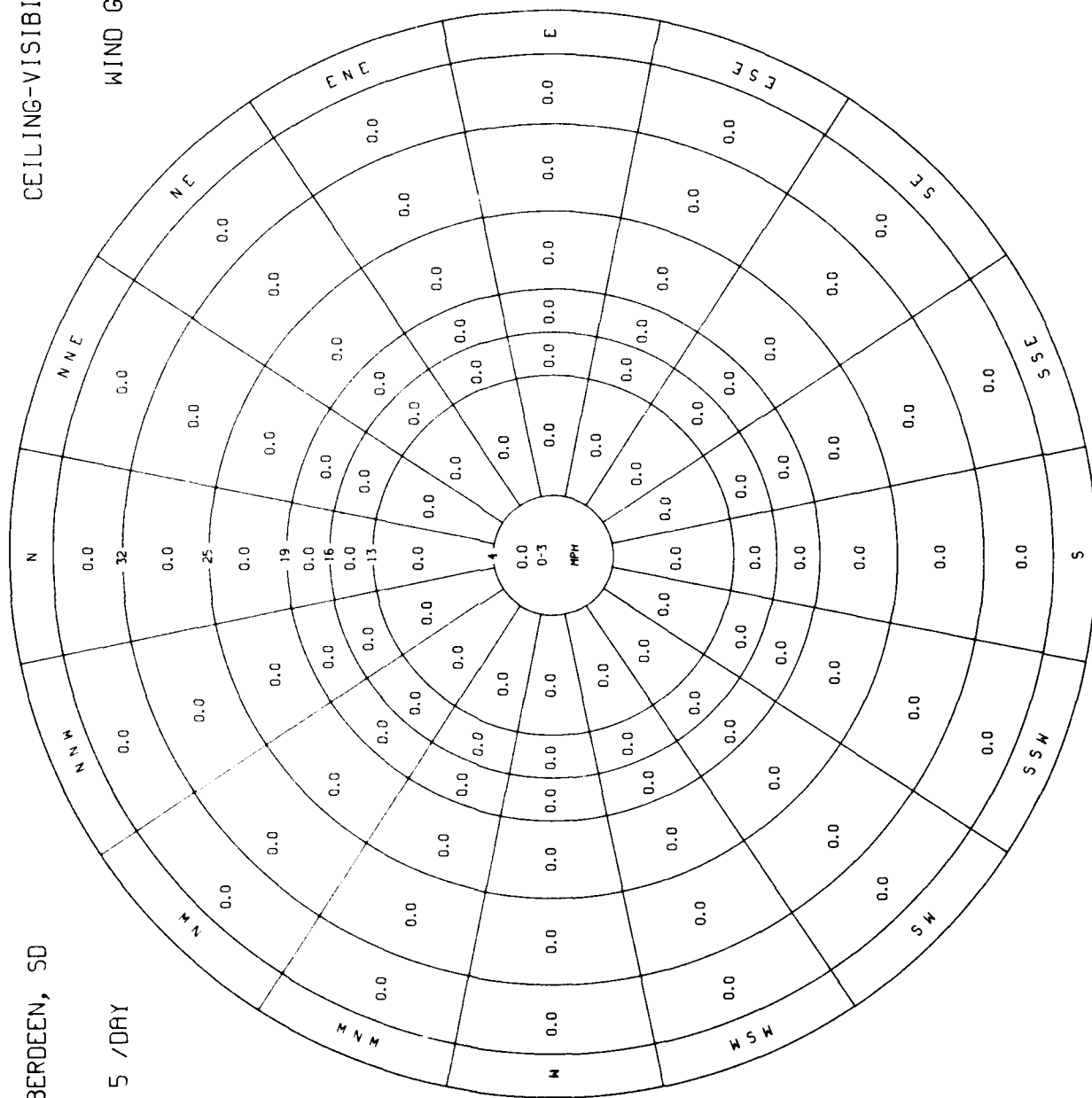
STATION NUMBER: 14929

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.0	.5	.1	4.7	.0	2.0	.0	.9	.1	3.8	.1	3.6	.0	1.4	.3	16.9	19.1
NNE	.0	.0	.1	3.8	.0	2.9	.0	1.1	.0	2.0	.0	1.8	.0	.5	.2	12.2	16.7
NE	.0	.7	.1	3.8	.0	2.0	.0	.9	.0	.9	.0	.5	.0	.5	.2	9.2	13.4
ENE	.0	.5	.0	2.9	.0	1.4	.0	1.4	.0	.7	.0	1.1	.0	.0	.1	7.9	13.9
E	.0	.5	.1	3.6	.0	.2	.0	.2	.0	.0	.0	.2	.0	.0	.1	4.7	8.9
ESE	.0	.2	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	2.3	9.1
SE	.0	.5	.0	.9	.0	.5	.0	.7	.0	.0	.0	.0	.0	.0	.0	2.5	10.8
SSE	.0	.7	.0	2.5	.0	.9	.0	1.4	.0	.9	.0	.5	.0	.0	.1	6.8	13.5
S	.0	.7	.1	5.9	.0	1.6	.0	.9	.0	1.1	.0	.2	.0	.0	.2	10.4	11.2
SSW	.0	.7	.0	2.0	.0	.2	.0	.0	.0	.2	.0	.0	.0	.0	.1	3.2	8.5
SW	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	8.0
WSW	.0	.2	.0	2.7	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.2	8.0
W	.0	.2	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	1.1	10.6
WNW	.0	.2	.0	1.1	.0	.0	.0	.5	.0	.0	.0	.5	.0	.2	.0	2.5	15.0
NW	.0	.2	.0	1.6	.0	.5	.0	.0	.0	1.6	.0	.5	.0	.5	.1	4.7	17.7
NNW	.0	.9	.0	1.8	.0	1.4	.0	1.1	.0	2.5	.0	1.4	.0	.9	.2	9.9	18.1
CALM	.0	2.0													.0	2.0	
TOTAL	.1	8.6	.7	40.5	.2	13.7	.1	9.0	.2	13.7	.2	10.4	.1	4.1	1.7	100	14.2

CEILING-VISIBILITY WIND GRAPH

ABR ABERDEEN, SD

CLASS 5 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1977

STATION NAME: ABR ABERDEEN, SD

CLASS 5 / DAY

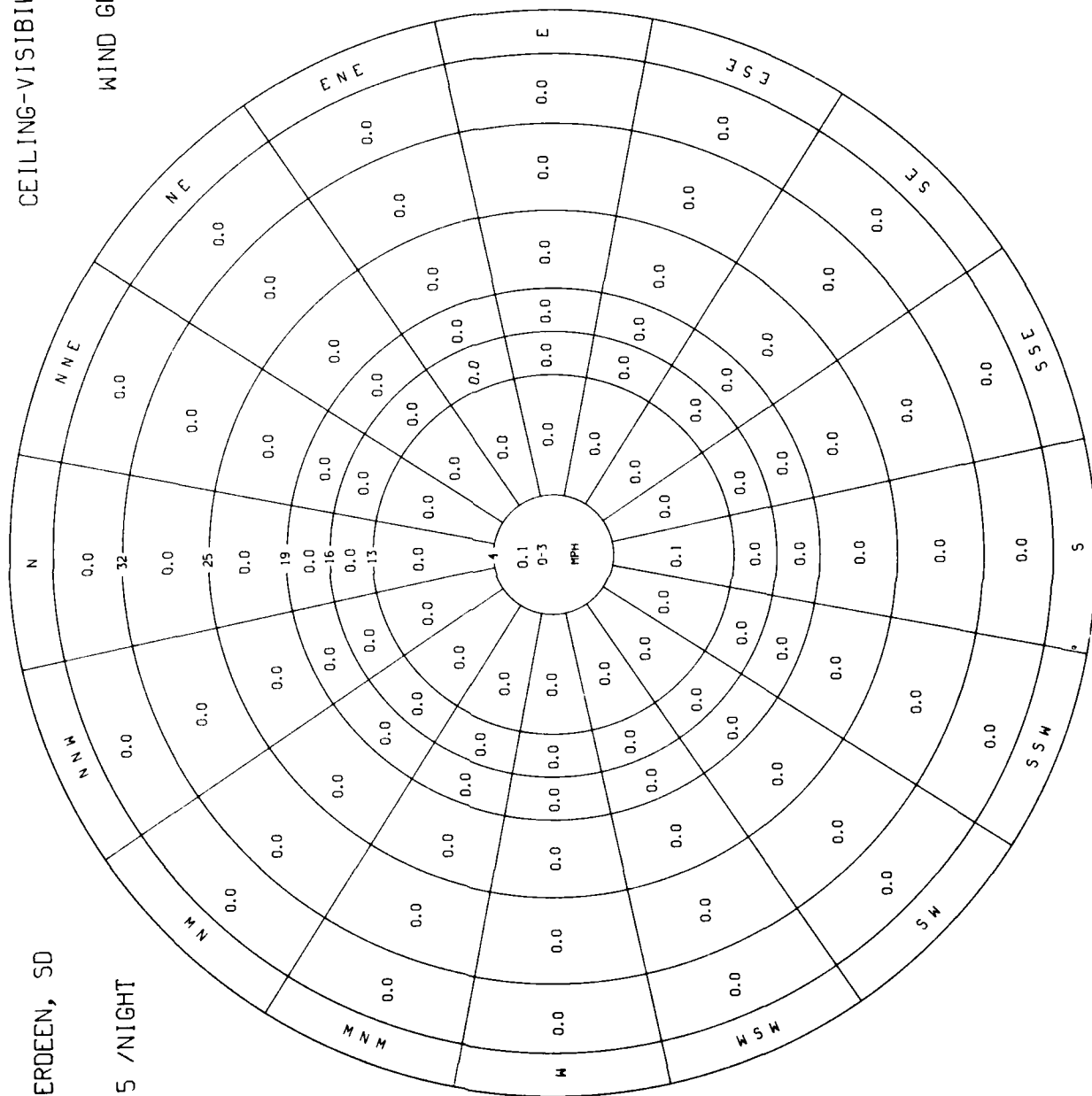
NO. OBS.: 118

STATION NUMBER: 14929

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			
N	.0	2.5	.0	1.7	.0	.8	.0	1.7	.0	4.2	.0	6.8	.0	1.7	.1	19.5	20.4
NNE	.0	.0	.0	2.5	.0	2.5	.0	.8	.0	2.5	.0	1.7	.0	2.5	.0	12.7	20.5
NENE	.0	.0	.0	3.4	.0	.8	.0	.8	.0	2.5	.0	1.7	.0	.0	.0	9.3	16.1
ENE	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.8	.0	.8	.0	.0	.0	3.4	17.0
E	.0	.0	.0	1.7	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	11.0
ESE	.0	.8	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	4.2
SE	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.8	.0	.8	.0	.8	.0	5.1	13.2
SSE	.0	.8	.0	2.5	.0	.0	.0	.8	.0	.0	.0	.0	.0	.8	.0	7.6	12.7
S	.0	.8	.0	4.2	.0	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	6.8	6.6
SSW	.0	.8	.0	5.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	6.7
SW	.0	.0	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	9.0
WSW	.0	.0	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	6.0
WNW	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.8	.0	1.7	.0	4.2	25.4
NW	.0	.0	.0	.8	.0	.0	.0	.0	.0	.8	.0	.8	.0	.8	.0	11.9	20.1
NNW	.0	.0	.0	5.1	.0	.0	.0	.0	.0	.8	.0	5.1	.0	.8	.0	3.4	
CALM	.0	3.4															
TOTAL	.0	11.0	.1	38.1	.0	6.8	.0	5.1	.0	12.7	.1	17.8	.0	8.5	.4	100	15.6

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1977

STATION NAME: ABR ABERDEEN, SD

CLASS 5 / NIGHT

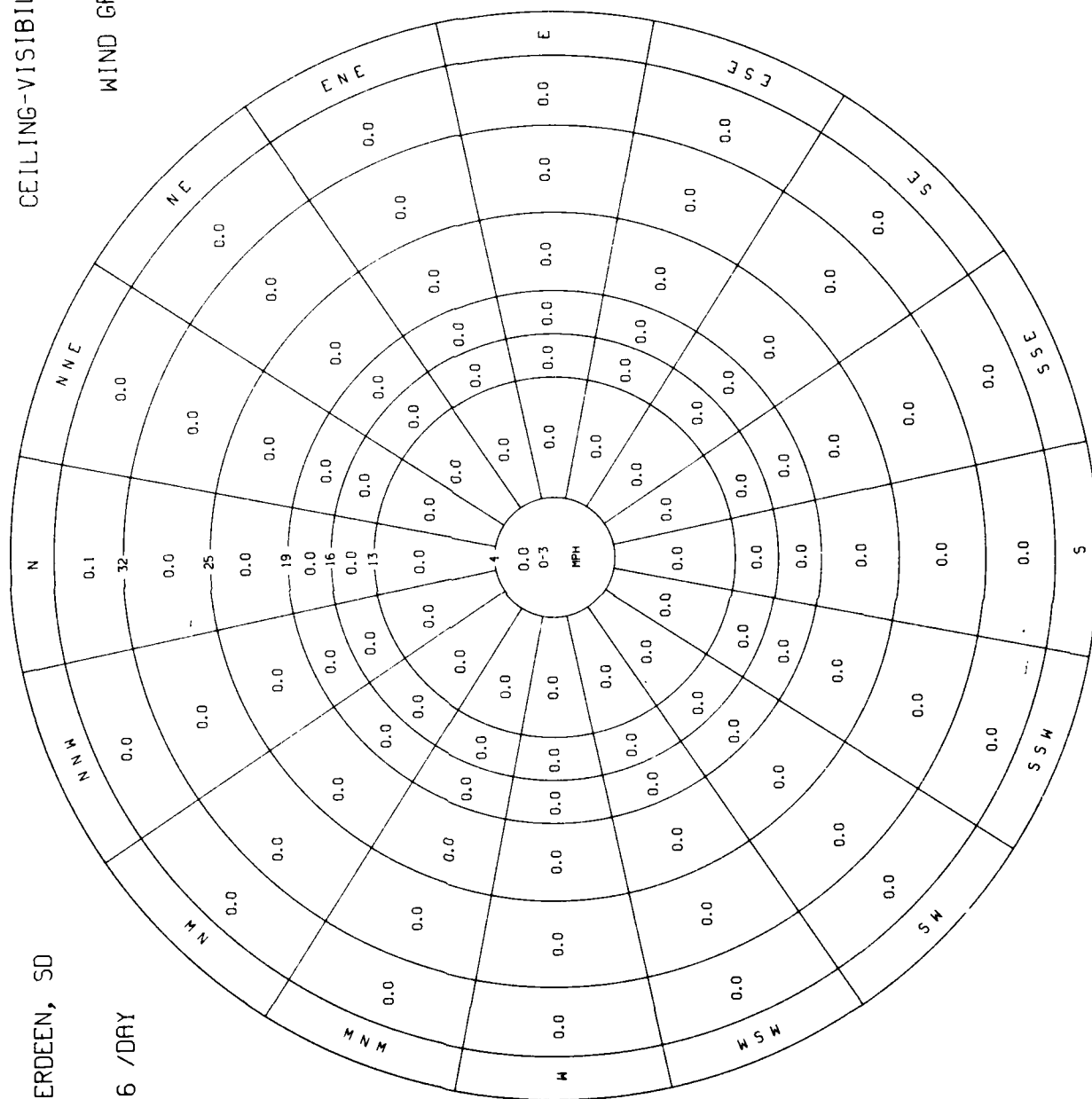
NO. OBS.: 173

STATION NUMBER: 14929

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C
N	.0	1.2	.0	7.5	.0	2.3	.0	.6	.0	.0	.0	1.2	.0	5.2	.1	17.9	19.0
NNE	.0	.6	.0	1.7	.0	.6	.0	.6	.0	2.9	.0	.6	.0	.6	.0	7.5	17.8
NE	.0	1.2	.0	3.5	.0	.0	.0	.6	.0	1.2	.0	.6	.0	.6	.0	7.5	13.5
ENE	.0	.0	.0	4.0	.0	.0	.0	.0	.0	.6	.0	.6	.0	.0	.0	5.2	11.0
E	.0	1.2	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	1.7	8.0
ESE	.0	1.2	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	4.7
SE	.0	.6	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	4.7
SSE	.0	1.7	.0	6.4	.0	1.7	.0	.0	.0	.0	.0	.6	.0	.0	.1	10.4	8.8
S	.0	4.6	.1	8.7	.0	.6	.0	.6	.0	1.7	.0	.0	.0	.0	.1	16.2	7.9
SSW	.0	1.7	.0	5.2	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.5	7.0
SW	.0	.0	.0	3.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	6.2
WSW	.0	.6	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	5.7
W	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	7.0
WNW	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	1.2	15.5
NW	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	1.7	13.7
NNW	.0	.0	.0	3.5	.0	.6	.0	.0	.0	.6	.0	1.7	.0	.6	.0	6.9	16.7
CALM	.0	5.8													.0	5.8	
TOTAL	.1	21.4	.3	49.1	.0	6.4	.0	2.9	.0	6.9	.0	6.4	.0	6.9	.6	100	11.4

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1977

STATION NAME: ABR ABERDEEN, SD

CLASS 6 / DAY

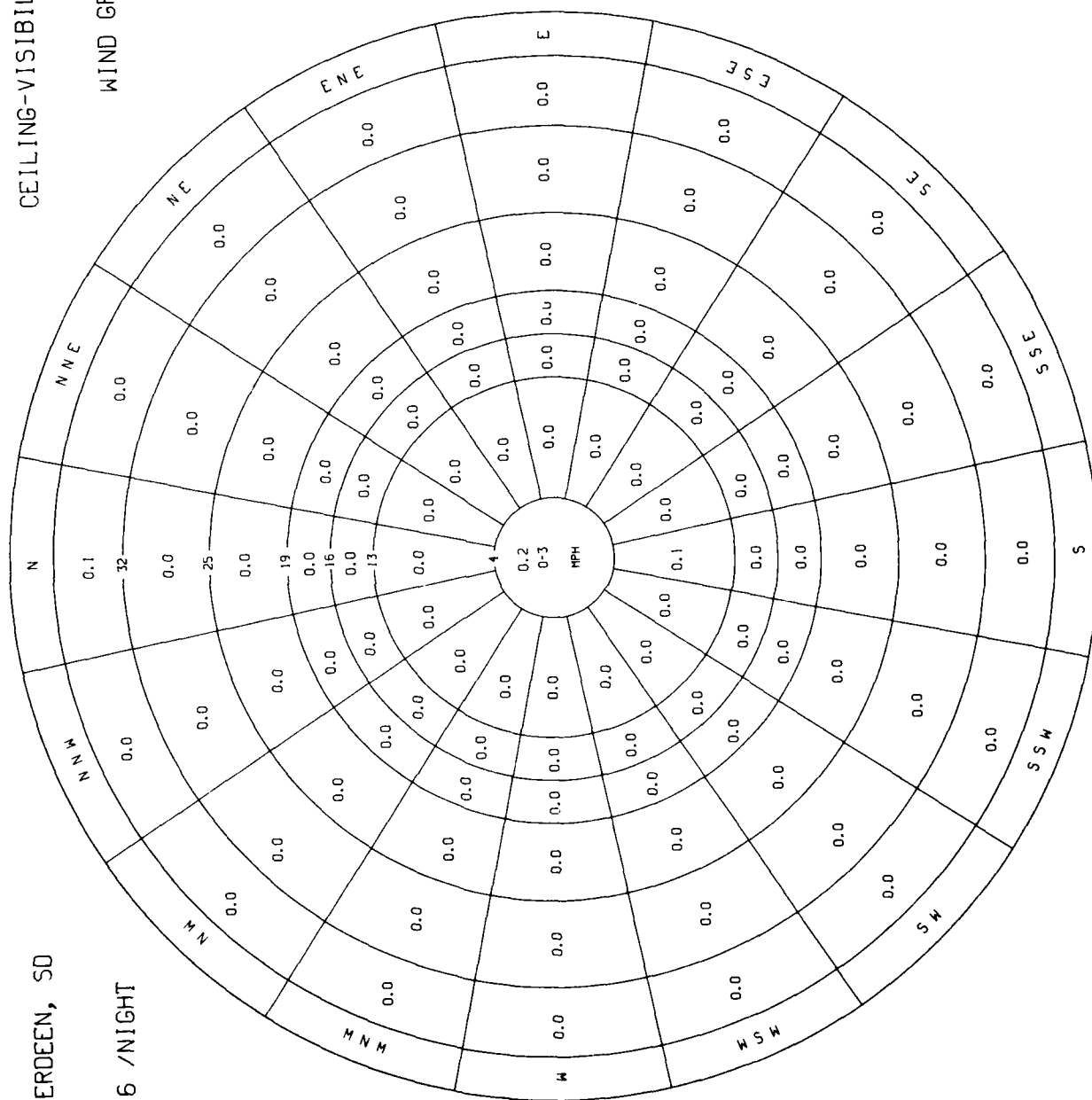
NO. OBS.: 107

STATION NUMBER: 14929

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D
N	.0	.0	.0	8.4	.0	.0	.0	.0	.0	.0	.0	.9	.1	18.7	.1	28.0
NNE	.0	1.9	.0	1.9	.0	.0	.0	.9	.0	.0	.0	1.9	.0	2.8	.0	9.3
NNE	.0	.9	.0	1.9	.0	.0	.0	.9	.0	1.9	.0	.9	.0	2.8	.0	9.3
ENE	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.9	.0	.9	.0	.0	.0	3.7
E	.0	.0	.0	3.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7
ESE	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9
SE	.0	.9	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7
SSE	.0	.0	.0	3.7	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.6
S	.0	.0	.0	5.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.6
SSW	.0	.0	.0	3.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
WSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NNW	.0	.9	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8
NW	.0	.9	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	.0	3.7
NNW	.0	.9	.0	1.9	.0	.0	.0	.0	.0	.0	.0	3.7	.0	4.7	.0	11.2
CALM	.0	7.5													.0	7.5
TOTAL	.0	14.0	.1	40.2	.0	1.9	.0	1.9	.0	2.8	.0	8.4	.1	30.8	.3	100
																18.7

ABR ABERDEEN, SD

CLASS 6 / NIGHT



ANNUAL

STATION NAME: ABR ABERDEEN, SD

PERIOD: 1948-1977

CLASS 6 / NIGHT

STATION NUMBER: 14929

NO. OBS.: 197

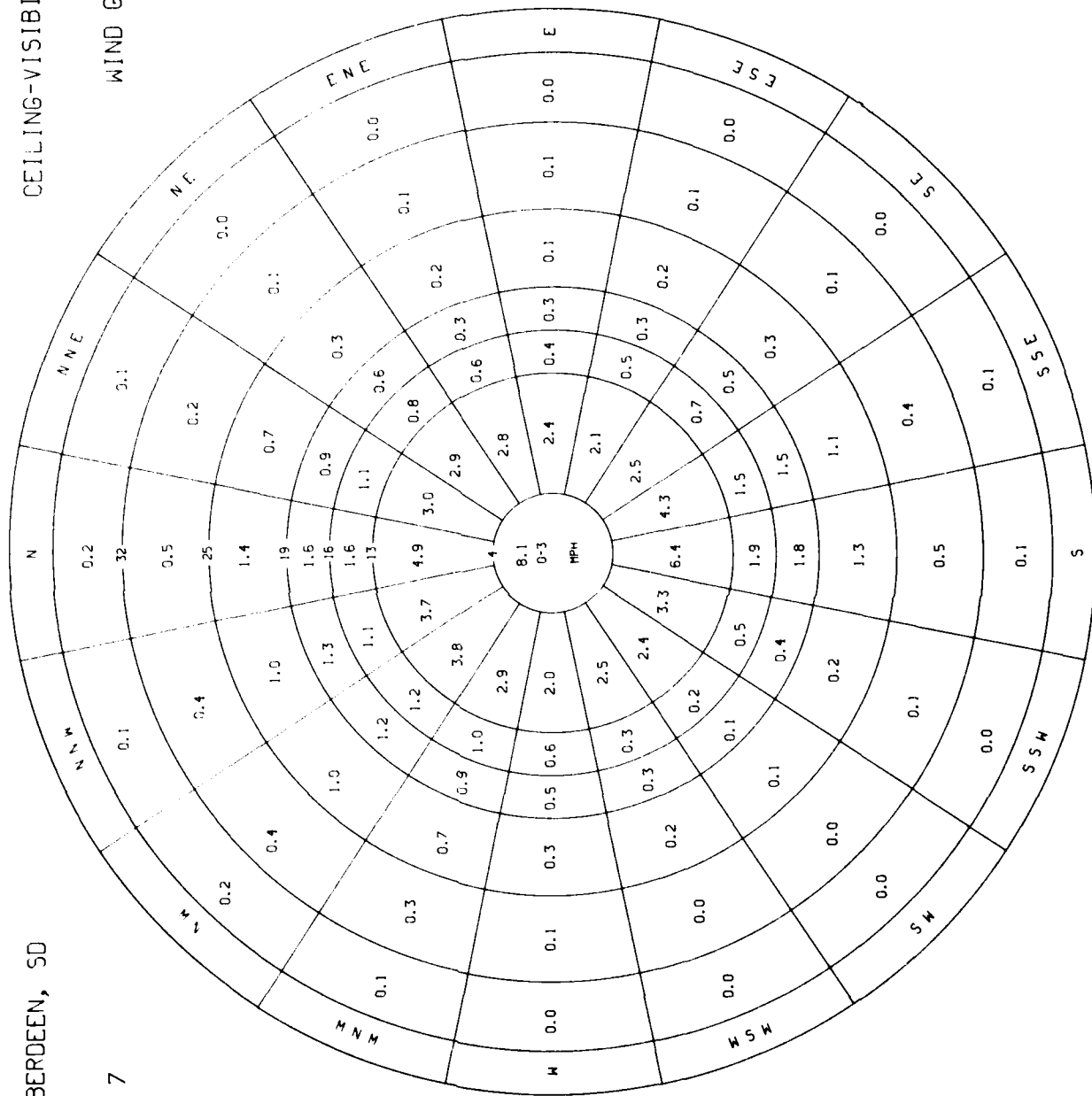
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C
N	.0	3.0	.0	4.6	.0	.0	.0	.5	.0	.0	.0	.5	.1	8.6	.1	17.3	22.5
NNE	.0	1.5	.0	6.1	.0	.5	.0	.0	.0	.5	.0	.0	.0	1.0	.1	9.6	12.5
NE	.0	.5	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	4.1	12.0
ENE	.0	.0	.0	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	6.9
E	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	7.0
ESE	.0	1.5	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	3.6	7.3
SE	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	1.0	23.0
SSE	.0	2.0	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.1	4.8
S	.0	3.0	.1	10.7	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.1	15.2	7.0
SSW	.0	1.5	.0	5.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.1	5.7
SW	.0	1.0	.0	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.1	5.5
WSW	.0	2.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.1	4.6
W	.0	.5	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	5.6
WNW	.0	1.0	.0	2.0	.0	.0	.0	.5	.0	.0	.0	.5	.0	.0	.0	4.1	10.2
NW	.0	1.0	.0	1.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.5	.0	3.6	11.6
NNW	.0	1.0	.0	2.5	.0	.0	.0	.5	.0	.0	.0	.5	.0	1.0	.0	5.6	16.0
CALM	.1	7.1													.1	7.1	
TOTAL	.2	26.9	.4	54.3	.0	2.5	.0	1.5	.0	.5	.0	2.0	.1	12.2	.7	100	10.5

CEILING-VISIBILITY

WIND GRAPH

ABR ABERDEEN, SD

CLASS 7

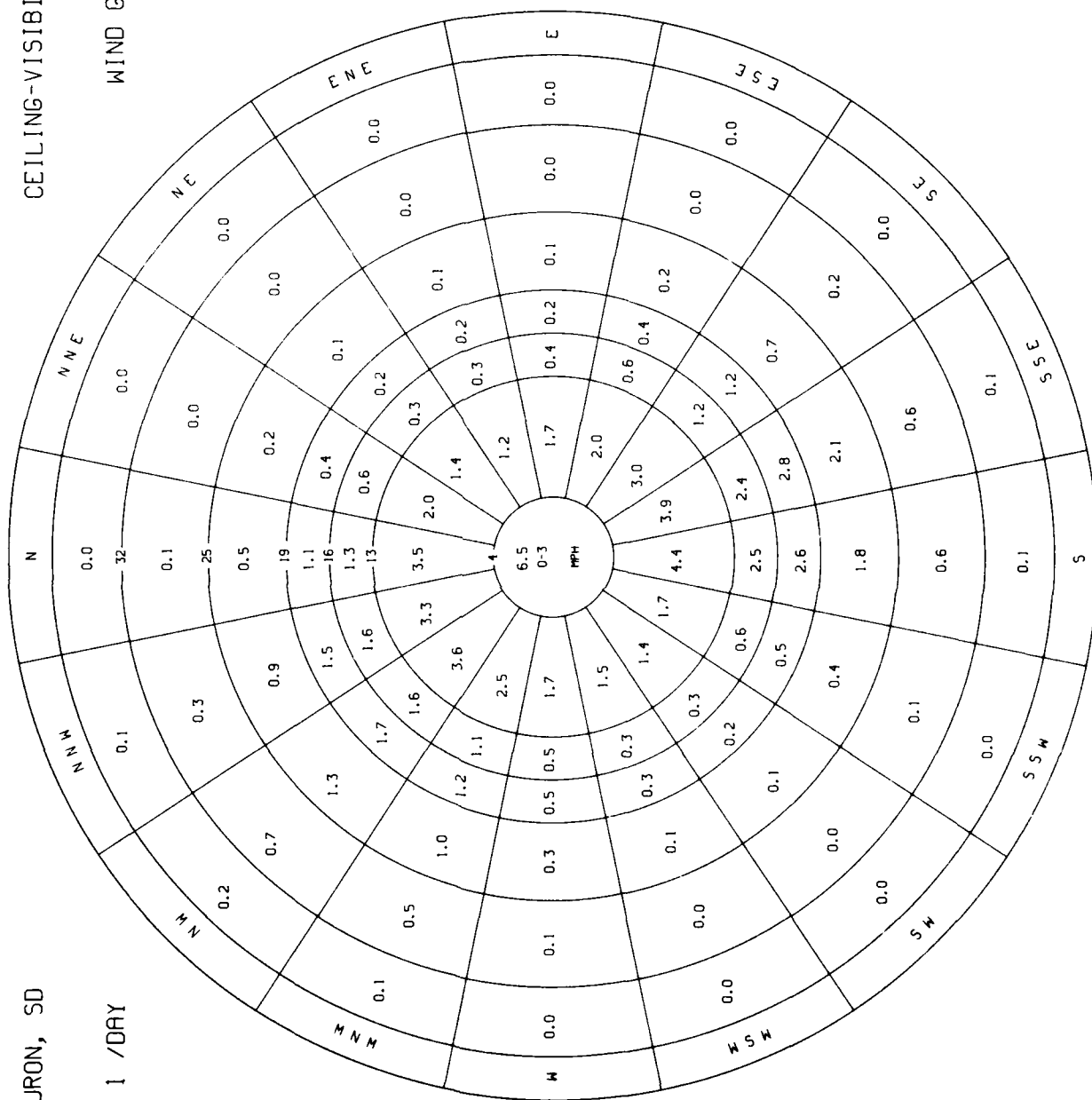


CEILING-VISIBILITY

WIND GRAPH

HON HURON, SD

CLASS 1 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HON HURON, SD

PERIOD: 1948-1978

CLASS 1 / DAY

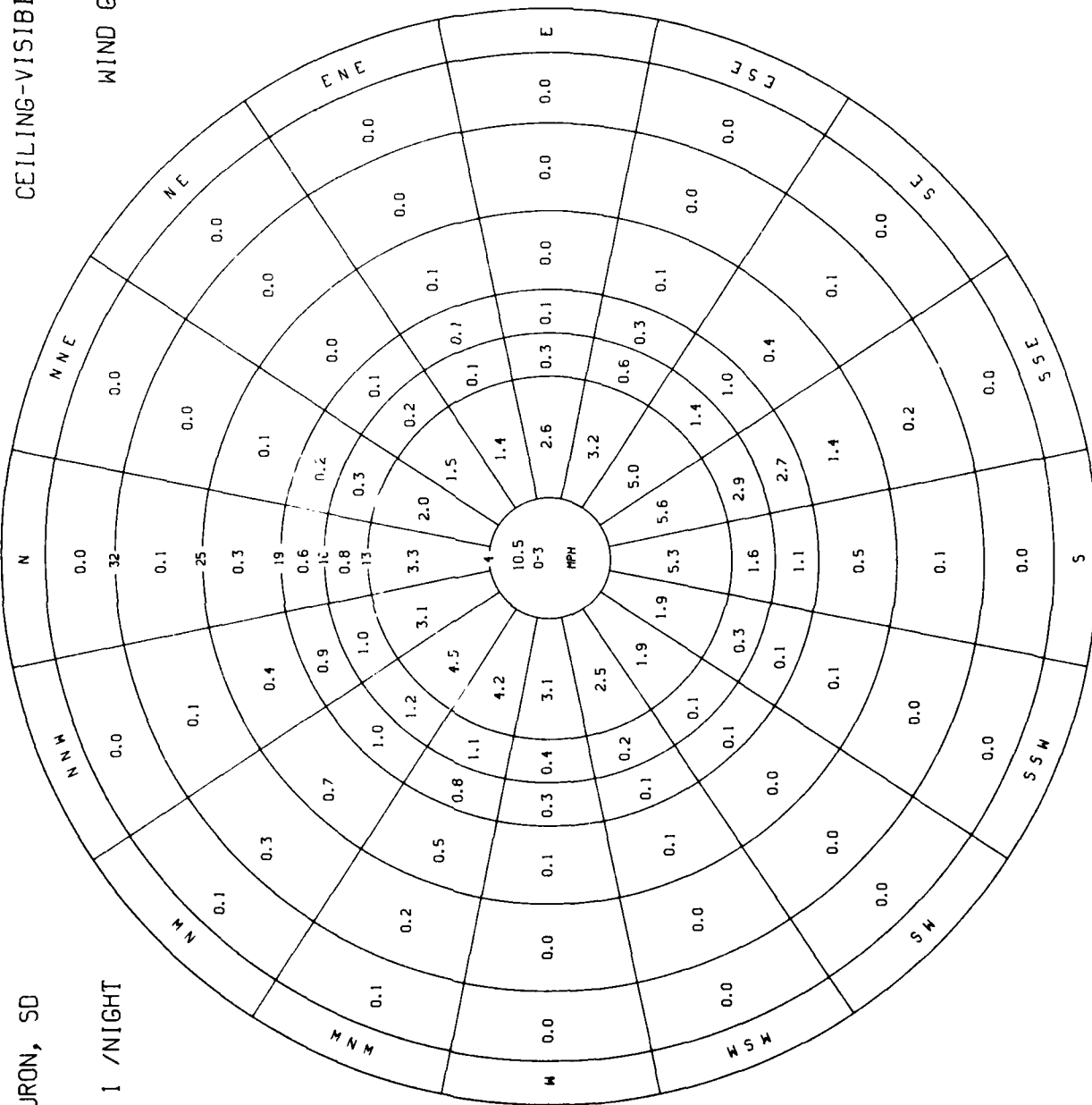
STATION NUMBER: 14936

NO. OBS.: 43204

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.5	.6	3.5	4.0	1.3	1.5	1.1	1.2	.5	.5	.1	.1	.0	.0	7.1 7.9
NNE	.3	.3	2.0	2.3	.6	.6	.4	.5	.2	.2	.0	.0	.0	.0	3.5 3.9
NE	.3	.4	1.4	1.6	.3	.4	.2	.3	.1	.1	.0	.0	.0	.0	2.4 2.7
ENE	.2	.3	1.2	1.4	.3	.3	.2	.2	.1	.1	.0	.0	.0	.0	2.0 2.2
E	.3	.4	1.7	1.9	.4	.4	.2	.2	.1	.1	.0	.0	.0	.0	2.8 3.1
ESE	.3	.4	2.0	2.2	.6	.7	.4	.5	.2	.2	.0	.0	.0	.0	3.6 4.0
SE	.4	.4	3.0	3.3	1.2	1.3	1.2	1.4	.7	.7	.2	.2	.0	.0	6.6 7.4
SSE	.3	.4	3.9	4.3	2.4	2.6	2.8	3.1	2.1	2.3	.6	.7	.1	.1	12.1 13.5
S	.4	.4	4.4	4.9	2.5	2.8	2.6	2.9	1.8	2.0	.6	.7	.1	.1	12.4 13.8
SSW	.3	.3	1.7	1.9	.6	.7	.5	.6	.4	.4	.1	.1	.0	.0	3.6 4.0
SW	.3	.3	1.4	1.5	.3	.4	.2	.2	.1	.1	.0	.0	.0	.0	2.3 2.6
WSW	.3	.3	1.5	1.7	.3	.3	.3	.3	.1	.1	.0	.0	.0	.0	2.5 2.8
W	.3	.3	1.7	1.9	.5	.6	.5	.5	.3	.3	.1	.1	.0	.0	3.5 3.9
WNW	.3	.3	2.5	2.8	1.1	1.2	1.2	1.4	1.0	1.1	.5	.5	.1	.1	6.7 7.5
NW	.5	.5	3.6	4.0	1.6	1.8	1.7	1.9	1.3	1.4	.7	.7	.2	.2	9.5 10.6
NNW	.4	.4	3.3	3.7	1.6	1.7	1.5	1.7	.9	1.0	.3	.4	.1	.1	8.1 9.0
CALM	1.1	1.2													1.1 1.2
TOTAL	6.5	7.3	38.9	43.3	15.5	17.3	15.1	16.9	9.7	10.8	3.3	3.7	.7	.7	89.8 100

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: HON HURON, SD

CLASS 1 / NIGHT

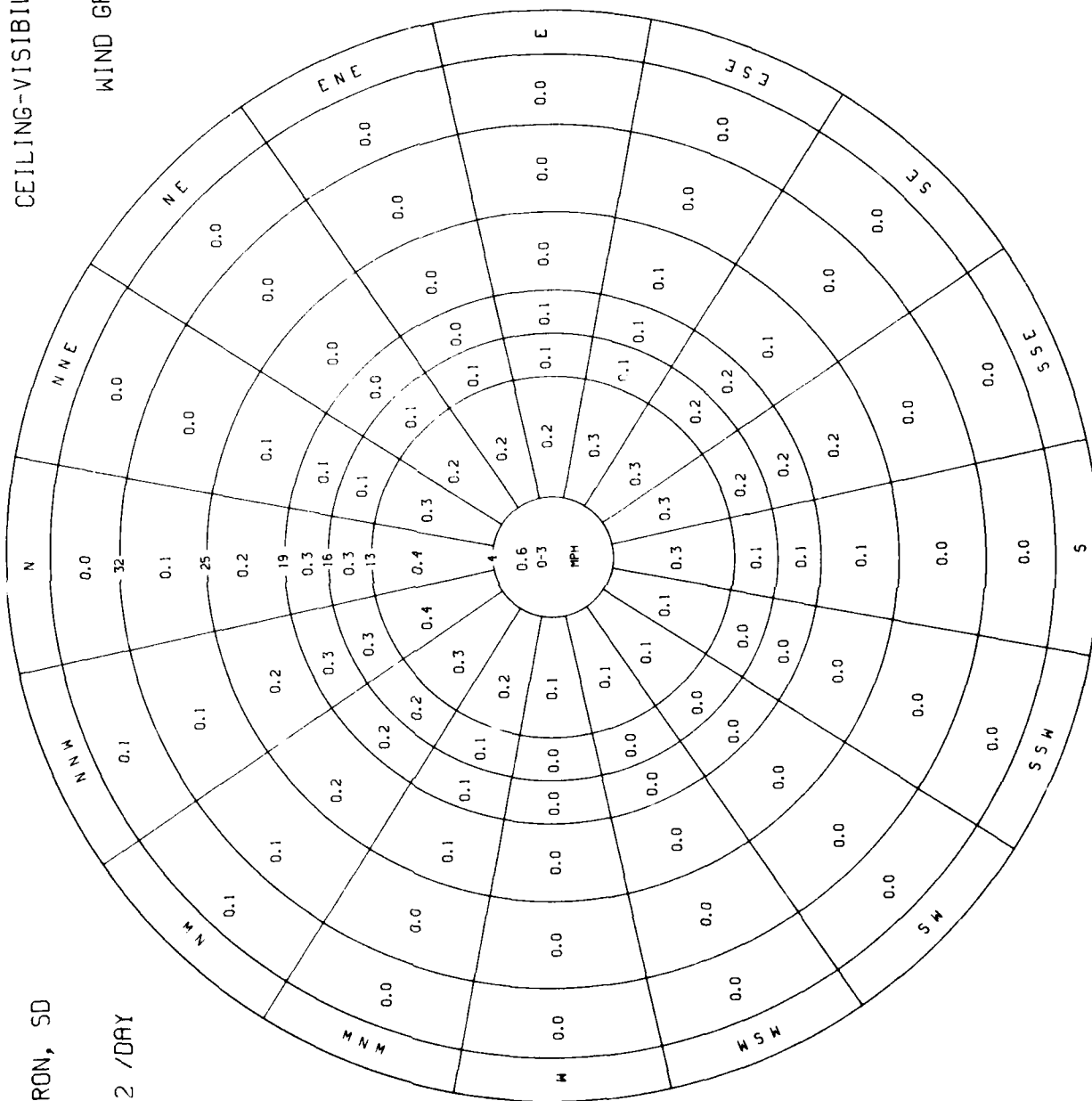
NO. OBS.: 38086

STATION NUMBER: 14936

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.7	.8	3.3	3.7	.8	.9	.6	.6	.3	.3	.1	.1	.0	.0	5.8 6.4
NNE	.5	.5	2.0	2.2	.3	.4	.2	.2	.1	.1	.0	.0	.0	.0	3.0 3.4
NE	.5	.6	1.5	1.7	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.3 2.6
ENE	.3	.3	1.4	1.6	.1	.2	.1	.1	.1	.1	.0	.0	.0	.0	2.0 2.2
E	.5	.5	2.6	2.9	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	3.5 3.9
ESE	.4	.4	3.2	3.5	.6	.6	.3	.3	.1	.1	.0	.0	.0	.0	4.6 5.1
SE	.7	.7	5.0	5.5	1.4	1.6	1.0	1.1	.4	.5	.1	.1	.0	.0	8.5 9.5
SSE	.6	.6	5.6	6.3	2.9	3.2	2.7	3.0	1.4	1.6	.2	.3	.0	.0	13.5 15.0
S	.7	.7	5.3	5.9	1.6	1.8	1.1	1.2	.5	.5	.1	.1	.0	.0	9.1 10.2
SSW	.4	.4	1.9	2.1	.3	.3	.1	.1	.1	.1	.0	.0	.0	.0	2.7 3.0
SW	.4	.5	1.9	2.1	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.5 2.8
WSW	.4	.4	2.5	2.8	.2	.2	.1	.1	.1	.1	.0	.0	.0	.0	3.2 3.6
W	.5	.5	3.1	3.4	.4	.5	.3	.3	.1	.1	.0	.0	.0	.0	4.4 4.9
WNW	.4	.5	4.2	4.7	1.1	1.2	.8	.9	.5	.6	.2	.2	.1	.1	7.3 8.2
NW	.6	.6	4.5	5.1	1.2	1.4	1.0	1.1	.7	.8	.3	.4	.1	.1	8.5 9.4
NNW	.5	.6	3.1	3.5	1.0	1.1	.9	1.0	.4	.5	.1	.2	.0	.0	6.1 6.8
CALM	2.6	2.9													2.6 2.9
TOTAL	10.5	11.7	51.1	57.0	12.5	14.0	9.4	10.5	4.9	5.5	1.1	1.3	.2	.2	89.7 100

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HON HURON, SD

PERIOD: 1948-1978

CLASS 2 / DAY

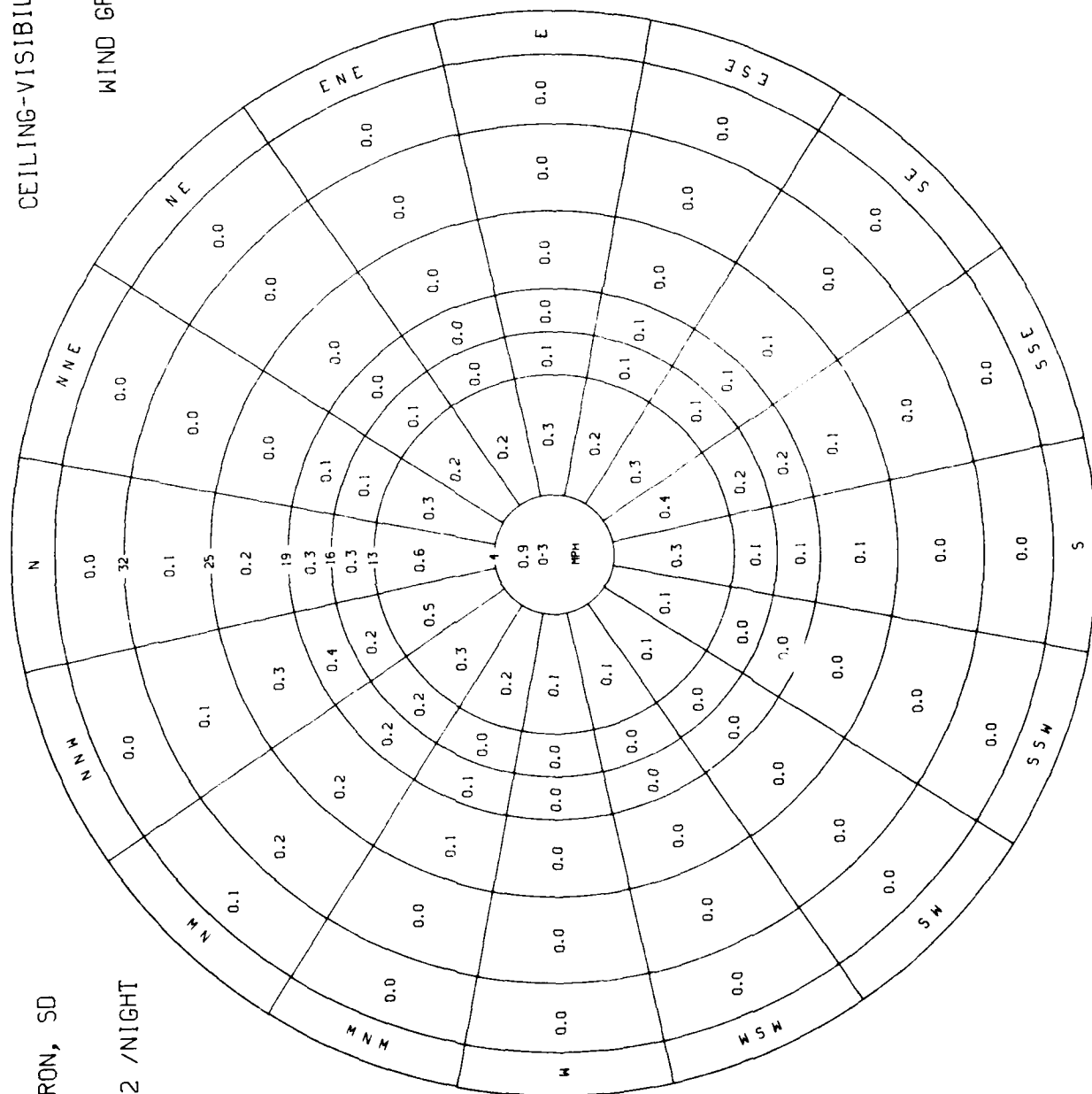
STATION NUMBER: 14936

NO. OBS.: 4886

D I R	SPEED GROUPS (MPH)																					AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL							
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D						
N	.1	.7	.4	4.3	.3	2.9	.3	3.3	.2	2.3	.1	.8	.0	.2	1.5	14.5	14.9					
NNE	.0	.4	.3	2.6	.1	1.1	.1	1.2	.1	.7	.0	.2	.0	.1	.6	6.3	13.2					
NNE	.0	.3	.2	1.8	.1	.9	.0	.5	.0	.4	.0	.1	.0	.0	.4	3.9	12.2					
ENE	.0	.3	.2	1.8	.1	.6	.0	.3	.0	.3	.0	.0	.0	.0	.3	3.3	11.2					
E	.0	.3	.2	2.4	.1	.8	.1	.6	.0	.3	.0	.1	.0	.0	.5	4.5	11.5					
ESE	.0	.4	.3	2.7	.1	1.1	.1	1.1	.1	.6	.0	.2	.0	.1	.6	6.2	13.0					
SE	.0	.3	.3	3.1	.2	1.7	.2	1.6	.1	1.2	.0	.4	.0	.1	.9	8.4	14.0					
SSE	.0	.2	.3	3.4	.2	2.2	.2	2.3	.2	1.7	.0	.4	.0	.1	1.1	10.3	14.8					
S	.0	.3	.3	2.6	.1	1.0	.1	1.1	.1	.7	.0	.1	.0	.0	.6	5.9	13.1					
SSW	.0	.2	.1	1.0	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.2	1.5	9.6					
SW	.0	.2	.1	.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.0	8.1					
WSW	.0	.1	.1	.8	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1	1.1	9.7					
W	.0	.2	.1	1.1	.0	.2	.0	.1	.0	.2	.0	.1	.0	.1	.2	2.0	12.1					
WNW	.0	.2	.2	1.5	.1	.7	.1	.7	.1	.6	.0	.2	.0	.1	.4	4.1	14.3					
NW	.1	.5	.3	3.4	.2	1.6	.2	1.9	.2	1.7	.1	1.5	.1	.6	1.1	11.1	16.4					
NNW	.0	.3	.4	4.1	.3	2.6	.3	3.4	.2	2.3	.1	1.2	.1	.5	1.5	14.5	16.1					
CALM	.1	1.2													.1	1.2						
TOTAL	.6	6.1	3.8	37.3	1.8	17.9	1.9	18.4	1.3	13.2	.5	5.3	.2	1.9	10.2	100	14.0					

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: HON HURON, SD

CLASS 2 / NIGHT

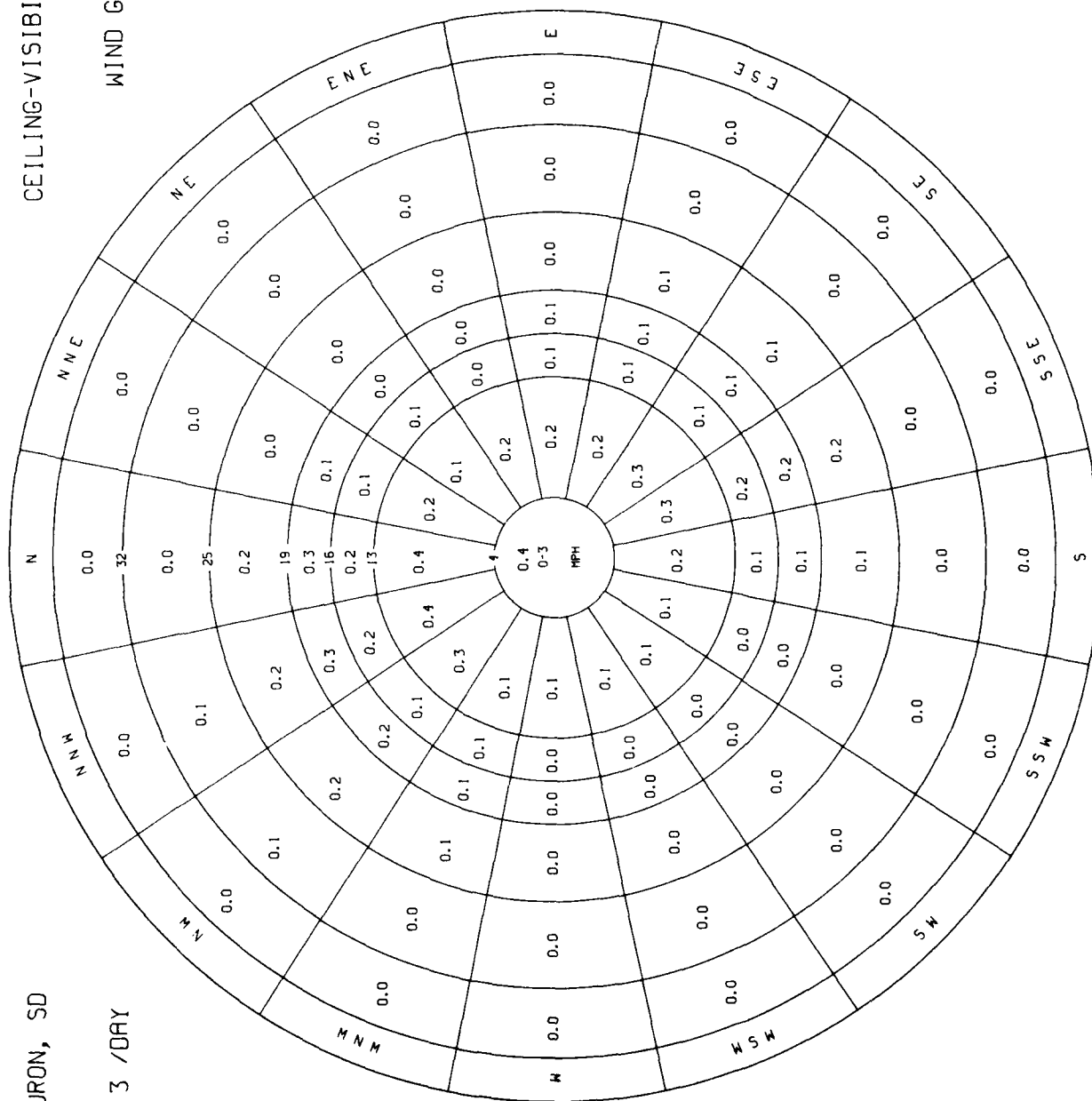
NO. OBS.: 4366

STATION NUMBER: 14936

O I R	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.1	.5	.6	6.0	.3	2.8	.3	3.0	.2	2.2	.1	.9	.0	.2	1.6	15.6	14.3
NNE	.1	.6	.3	3.2	.1	1.4	.1	.9	.0	.4	.0	.2	.0	.0	.7	6.8	11.7
NE	.0	.4	.2	1.9	.1	.5	.0	.5	.0	.3	.0	.0	.0	.0	.4	3.7	10.9
ENE	.0	.3	.2	2.1	.0	.4	.0	.1	.0	.2	.0	.0	.0	.0	.3	3.1	10.0
E	.1	.7	.3	2.5	.1	.8	.0	.2	.0	.2	.0	.0	.0	.0	.5	4.4	9.5
ESE	.0	.4	.2	2.2	.1	.8	.1	.7	.0	.3	.0	.1	.0	.0	.5	4.6	11.5
SE	.0	.4	.3	3.0	.1	1.1	.1	1.1	.1	.7	.0	.3	.0	.0	.7	6.7	12.7
SSE	.0	.5	.4	3.8	.2	2.2	.2	2.4	.1	1.1	.0	.4	.0	.1	1.1	10.4	13.7
S	.0	.5	.3	2.9	.1	.7	.1	.7	.1	.6	.0	.1	.0	.0	.6	5.4	11.3
SSW	.0	.2	.1	1.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.4	7.6
SW	.0	.3	.1	.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.0	8.0
WSW	.0	.4	.1	.7	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.1	1.3	8.2
W	.0	.3	.1	.8	.0	.1	.0	.2	.0	.1	.0	.0	.0	.0	.2	1.5	9.4
WNW	.0	.3	.2	2.3	.0	.5	.1	.7	.1	.5	.0	.4	.0	.1	.5	4.6	13.1
NW	.0	.4	.3	3.4	.2	2.1	.2	1.6	.2	1.8	.2	1.5	.1	.7	1.2	11.5	16.7
NNW	.0	.3	.5	4.9	.2	2.4	.4	3.5	.3	2.5	.1	1.4	.0	.4	1.6	15.4	15.8
CALM	.3	2.6													.3	2.6	
TOTAL	.9	9.0	4.2	41.3	1.7	16.1	1.6	15.7	1.1	11.1	.5	5.3	.2	1.6	10.3	100	13.0

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: HON HURON, SD

CLASS 3 / DAY

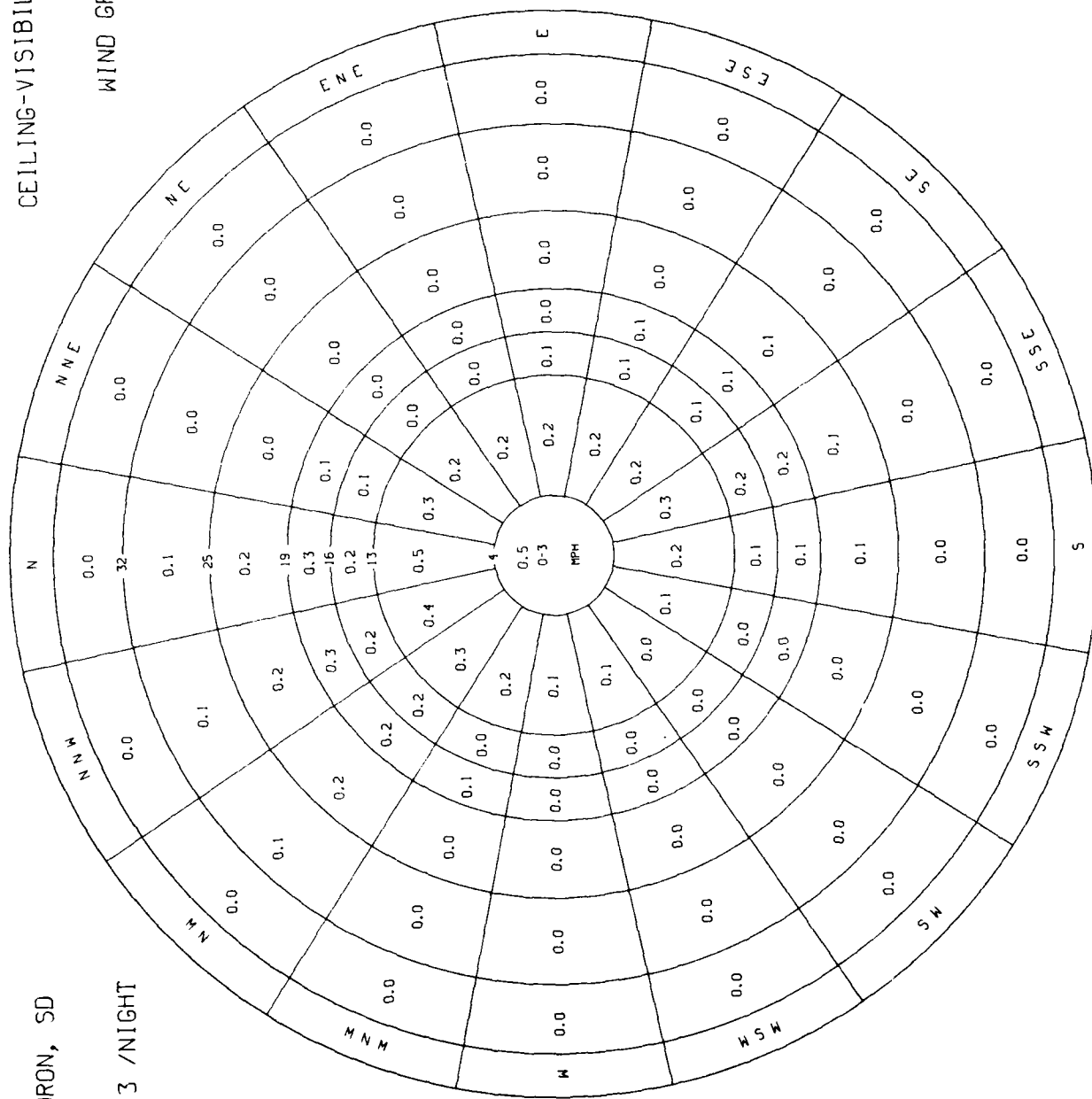
NO. OBS.: 3990

STATION NUMBER: 14936

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.6	.4	4.6	.2	2.9	.3	3.3	.2	2.3	.0	.6	.0	.2	1.2 14.4
NNE	.0	.4	.2	2.9	.1	1.2	.1	1.3	.0	.5	.0	.1	.0	.0	.5 6.3
NNE	.0	.3	.1	1.8	.1	1.0	.0	.4	.0	.3	.0	.1	.0	.0	.3 3.8
ENE	.0	.3	.2	1.9	.0	.5	.0	.3	.0	.3	.0	.0	.0	.0	.3 3.3
E	.0	.3	.2	2.2	.1	.9	.1	.7	.0	.3	.0	.1	.0	.0	.4 4.3
ESE	.0	.3	.2	2.7	.1	1.3	.1	1.2	.1	.7	.0	.3	.0	.1	.5 6.5
SE	.0	.3	.3	3.1	.1	1.7	.1	1.7	.1	1.2	.0	.4	.0	.1	.7 8.4
SSE	.0	.1	.3	3.0	.2	2.3	.2	2.6	.2	1.8	.0	.5	.0	.1	.9 10.3
S	.0	.3	.2	2.3	.1	1.1	.1	1.1	.1	.9	.0	.1	.0	.0	.5 5.8
SSW	.0	.1	.1	1.0	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.1 1.5
SW	.0	.1	.1	.6	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1 1.0
WSW	.0	.1	.1	.8	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.1 1.1
W	.0	.1	.1	1.1	.0	.2	.0	.2	.0	.3	.0	.1	.0	.1	.2 1.9
WNW	.0	.2	.1	1.6	.1	.8	.1	.8	.1	.8	.0	.2	.0	.0	.4 4.3
NW	.0	.4	.3	3.1	.1	1.8	.2	2.2	.2	1.9	.1	1.2	.0	.3	.9 10.9
NNW	.0	.4	.4	4.3	.2	2.9	.3	3.8	.2	2.3	.1	.9	.0	.3	1.2 14.9
CALM	.1	1.0													.1 1.0
TOTAL	.4	5.1	3.1	37.0	1.6	19.0	1.6	19.6	1.1	13.6	.4	4.6	.1	1.2	8.3 100

CEILING-VISIBILITY

WIND GRAPH



HON HURON, SD

CLASS 3 /NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: HON HURON, SD

CLASS 3 / NIGHT

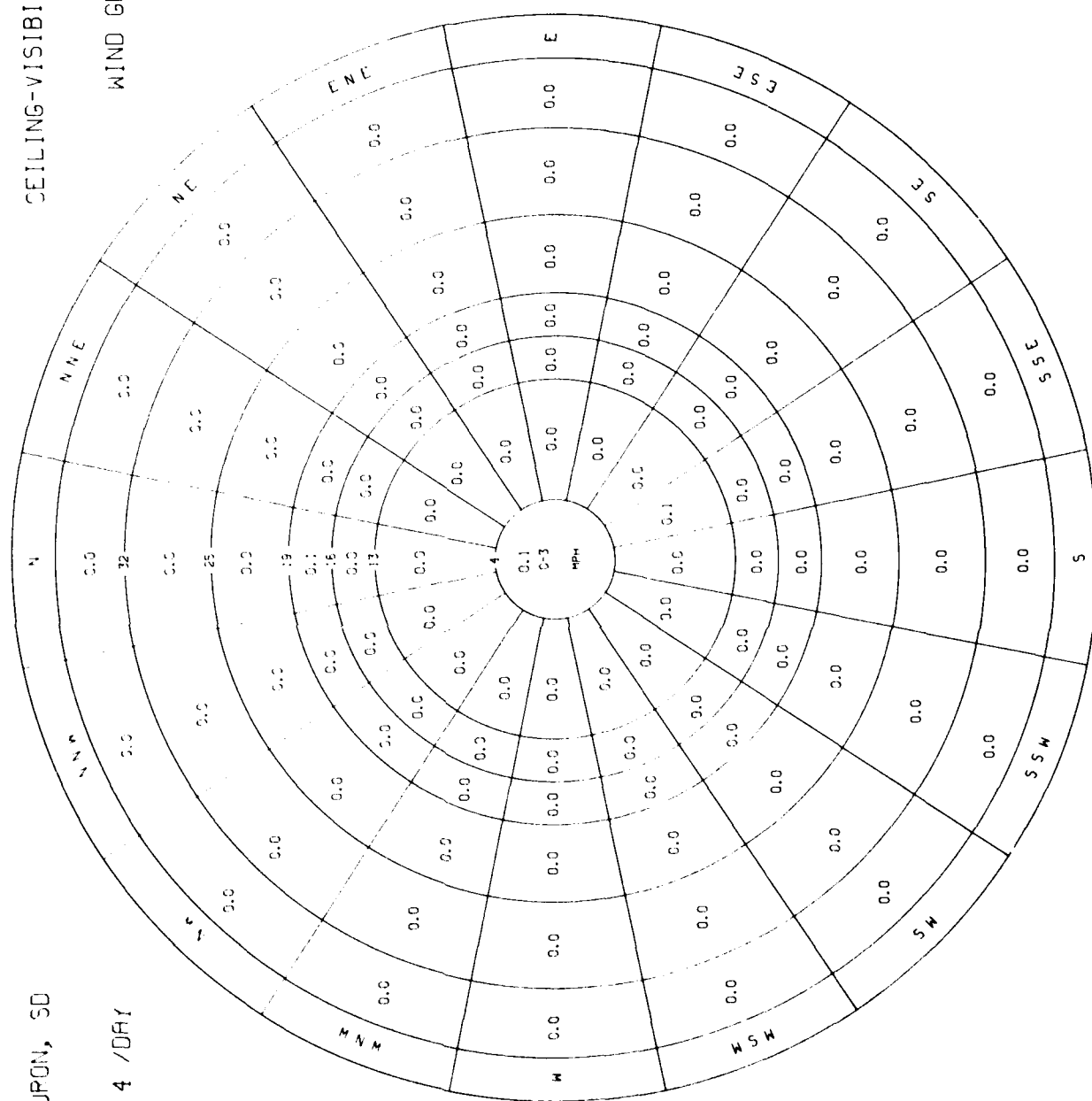
NO. OBS.: 3371

STATION NUMBER: 14936

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.4	.5	6.4	.2	3.1	.3	3.3	.2	2.3	.1	.8	.0	.1	1.3 16.5
NNE	.0	.6	.3	3.6	.1	1.7	.1	.9	.0	.4	.0	.0	.0	.0	.6 7.3
NE	.0	.4	.2	2.1	.0	.6	.0	.6	.0	.3	.0	.0	.0	.0	.3 4.1
ENE	.0	.2	.2	2.3	.0	.4	.0	.1	.0	.2	.0	.0	.0	.0	.3 3.4
E	.0	.6	.2	2.8	.1	.9	.0	.2	.0	.3	.0	.1	.0	.0	.4 4.8
ESE	.0	.3	.2	2.3	.1	.9	.1	.8	.0	.3	.0	.1	.0	.0	.4 4.7
SE	.0	.2	.2	2.5	.1	1.2	.1	1.2	.1	.8	.0	.4	.0	.0	.5 6.2
SSE	.0	.3	.3	3.2	.2	2.3	.2	2.6	.1	1.3	.0	.4	.0	.1	.8 10.1
S	.0	.4	.2	2.3	.1	.7	.1	.7	.1	.7	.0	.1	.0	.0	.4 4.8
SSW	.0	.1	.1	.8	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1 1.1
SW	.0	.1	.0	.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 .9
WSW	.0	.3	.1	.7	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.1 1.3
W	.0	.2	.1	.7	.0	.1	.0	.3	.0	.1	.0	.0	.0	.0	.1 1.4
WNW	.0	.2	.2	2.1	.0	.6	.1	.8	.0	.6	.0	.4	.0	.1	.4 4.8
NW	.0	.4	.3	3.2	.2	2.6	.2	1.9	.2	2.0	.1	1.3	.0	.3	.9 11.7
NNW	.0	.2	.4	4.8	.2	2.7	.3	4.1	.2	2.6	.1	.9	.0	.3	1.2 15.7
CALM	.1	1.4													.1 1.4
TOTAL	.5	6.3	3.2	40.3	1.4	18.0	1.4	17.7	1.0	12.0	.4	4.6	.1	1.1	7.9 100

CEILING-VISIBILITY

WIND GRAPH



ANNUAL

STATION NAME: HON HURON. SD

PERIOD: 1948-1978

CLASS 4 / DAY

STATION NUMBER: 14936

NO.	OBS.:	604
1	100	100
2	100	100
3	100	100
4	100	100
5	100	100
6	100	100
7	100	100
8	100	100
9	100	100
10	100	100
11	100	100
12	100	100
13	100	100
14	100	100
15	100	100
16	100	100
17	100	100
18	100	100
19	100	100
20	100	100
21	100	100
22	100	100
23	100	100
24	100	100
25	100	100
26	100	100
27	100	100
28	100	100
29	100	100
30	100	100
31	100	100
32	100	100
33	100	100
34	100	100
35	100	100
36	100	100
37	100	100
38	100	100
39	100	100
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43	100	100
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66	100	100
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91	100	100
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96	100	100
97	100	100
98	100	100
99	100	100
100	100	100

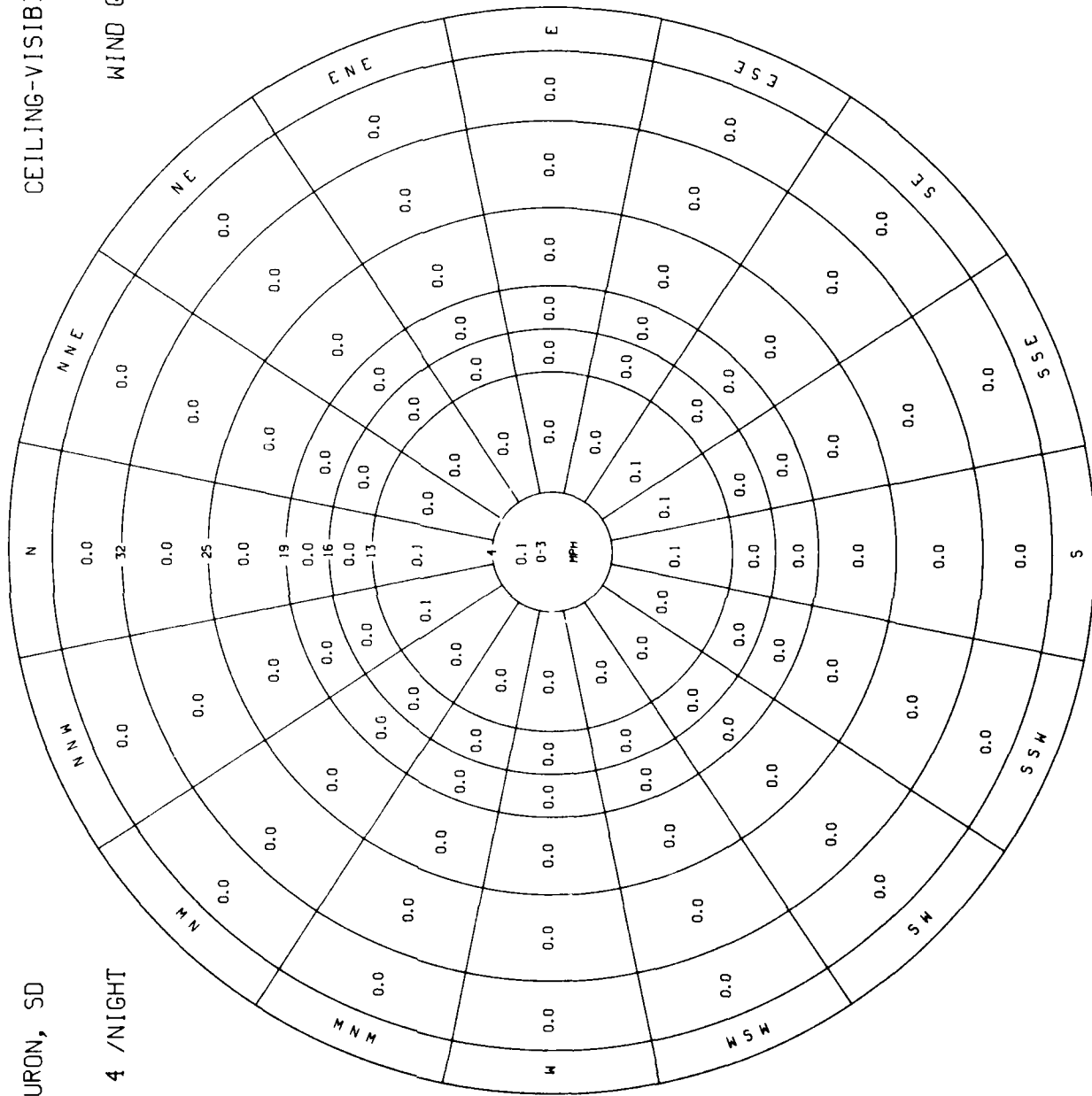
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C
N	.0	1.2	.0	3.5	.0	4.0	.1	4.6	.0	2.3	.0	1.0	.0	.5	.2	17.1	15.7
NNE	.0	.8	.0	1.2	.0	1.7	.0	.8	.0	1.3	.0	.3	.0	.0	.1	6.1	13.9
NE	.0	.2	.0	2.0	.0	1.0	.0	1.0	.0	.8	.0	.3	.0	.0	.1	5.3	14.1
ENE	.0	.5	.0	1.5	.0	.8	.0	.5	.0	.2	.0	.0	.0	.0	.0	3.5	10.8
E	.0	.5	.0	3.6	.0	.5	.0	.7	.0	.5	.0	.0	.0	.0	.1	5.8	10.2
ESE	.0	.3	.0	2.3	.0	.8	.0	.8	.0	.2	.0	.0	.0	.0	.1	4.5	11.3
SE	.0	.0	.0	3.3	.0	2.3	.0	1.8	.0	1.5	.0	.3	.0	.0	.1	9.3	14.1
SSE	.0	.5	.1	5.0	.0	2.6	.0	1.8	.0	1.7	.0	.5	.0	.0	.2	12.1	13.4
S	.0	.2	.0	3.8	.0	.5	.0	1.7	.0	.2	.0	.0	.0	.0	.1	6.3	11.4
SSW	.0	.2	.0	.8	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	8.6
SW	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	7.7
WSW	.0	.0	.0	.8	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	1.0	7.8
W	.0	.5	.0	1.3	.0	.2	.0	.0	.0	.0	.0	.2	.0	.0	.0	2.2	9.2
WNW	.0	.0	.0	1.0	.0	.5	.0	.2	.0	.0	.0	.3	.0	.2	.0	2.2	14.9
NW	.0	.7	.0	4.0	.0	.5	.0	1.0	.0	1.2	.0	1.7	.0	1.2	.1	10.1	17.0
NNW	.0	.5	.0	3.0	.0	1.3	.0	3.0	.0	2.6	.0	1.3	.0	.3	.2	12.1	16.7
CALM	.0	.8													.0	.8	
TOTAL	.1	6.8	.5	37.7	.2	16.9	.2	18.0	.2	12.4	.1	6.0	.0	2.2	.13	100	13.9

HON HURON, SD

CLASS 4 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HON HURON, SD

PERIOD: 1948-1978

CLASS 4 / NIGHT

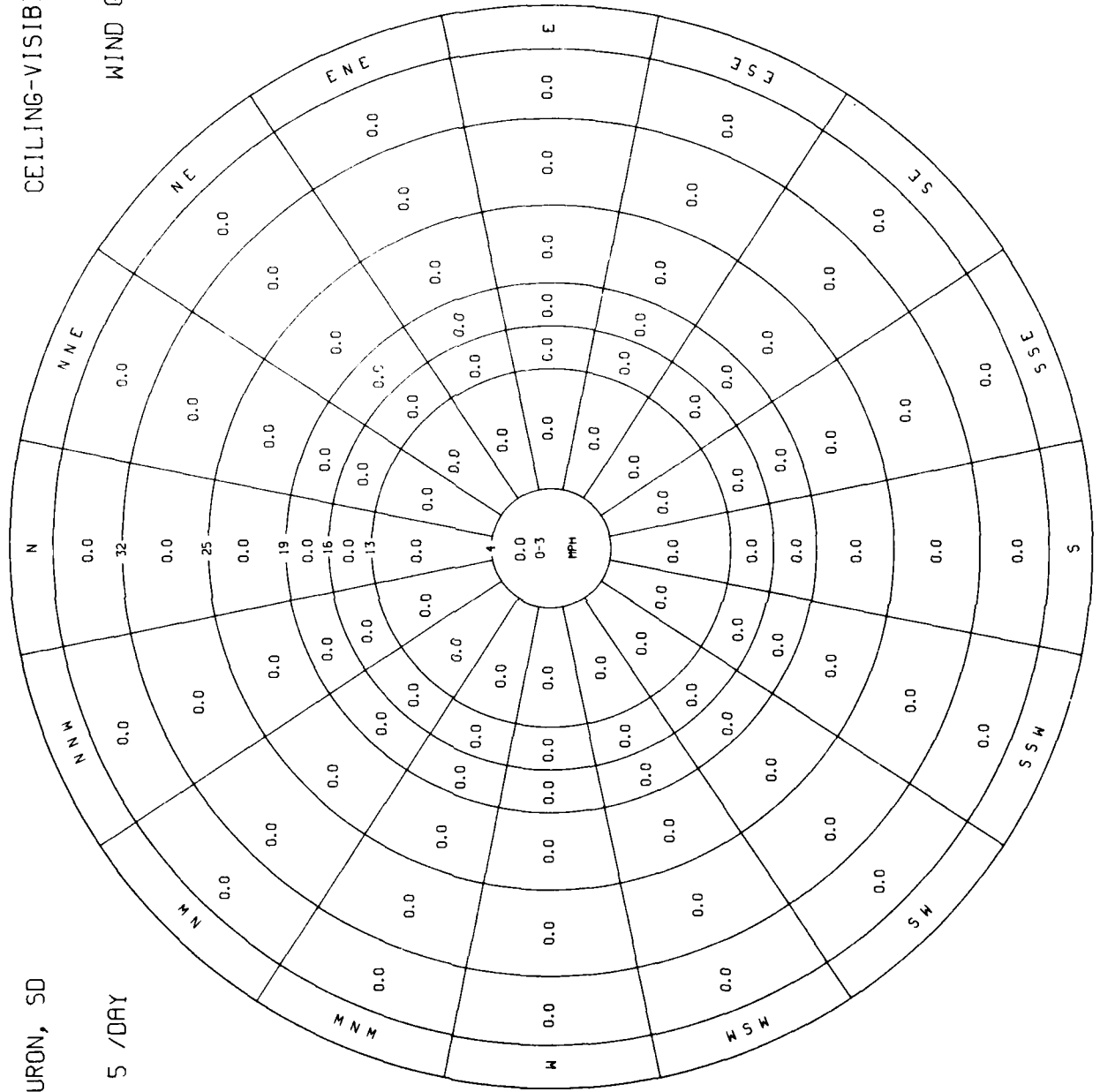
STATION NUMBER: 14936

NO. OBS.: 565

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.7	.1	6.2	.0	2.1	.0	3.2	.0	2.3	.0	.9	.0	.2	.2 15.6
NNE	.0	.5	.0	3.0	.0	.5	.0	1.2	.0	.5	.0	.5	.0	.0	.1 6.4
NE	.0	.0	.0	1.8	.0	.5	.0	.4	.0	.2	.0	.2	.0	.0	.0 3.0
ENE	.0	.2	.0	2.3	.0	.5	.0	.0	.0	.4	.0	.0	.0	.0	.0 3.4
E	.0	.5	.0	1.2	.0	1.1	.0	.0	.0	.2	.0	.0	.0	.0	.0 3.0
ESE	.0	.4	.0	2.1	.0	1.2	.0	.5	.0	.2	.0	.2	.0	.0	.1 4.6
SE	.0	.5	.1	4.6	.0	1.2	.0	1.4	.0	.5	.0	.5	.0	.0	.1 8.8
SSE	.0	1.1	.1	5.0	.0	1.6	.0	2.5	.0	1.1	.0	.4	.0	.0	.2 11.5
S	.0	.4	.1	4.2	.0	.5	.0	.5	.0	.2	.0	.0	.0	.0	.1 5.8
SSW	.0	.2	.0	.9	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.2
SW	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .2
WSW	.0	.2	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .7
W	.0	.5	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.2
WNW	.0	.2	.0	2.5	.0	.2	.0	.4	.0	.5	.0	.4	.0	.0	.1 4.1
NW	.0	.4	.0	3.2	.0	.7	.0	1.1	.0	1.4	.0	2.1	.0	1.6	.1 10.4
NNW	.0	.2	.1	6.0	.0	2.7	.0	2.5	.0	3.0	.0	2.1	.0	.5	.2 17.0
CALM	.0	3.0													.0 3.0
TOTAL	.1	9.0	.6	44.2	.2	13.1	.2	13.6	.1	10.4	.1	7.3	.0	2.3	1.3 100

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HON HURON, SD

PERIOD: 1948-1978

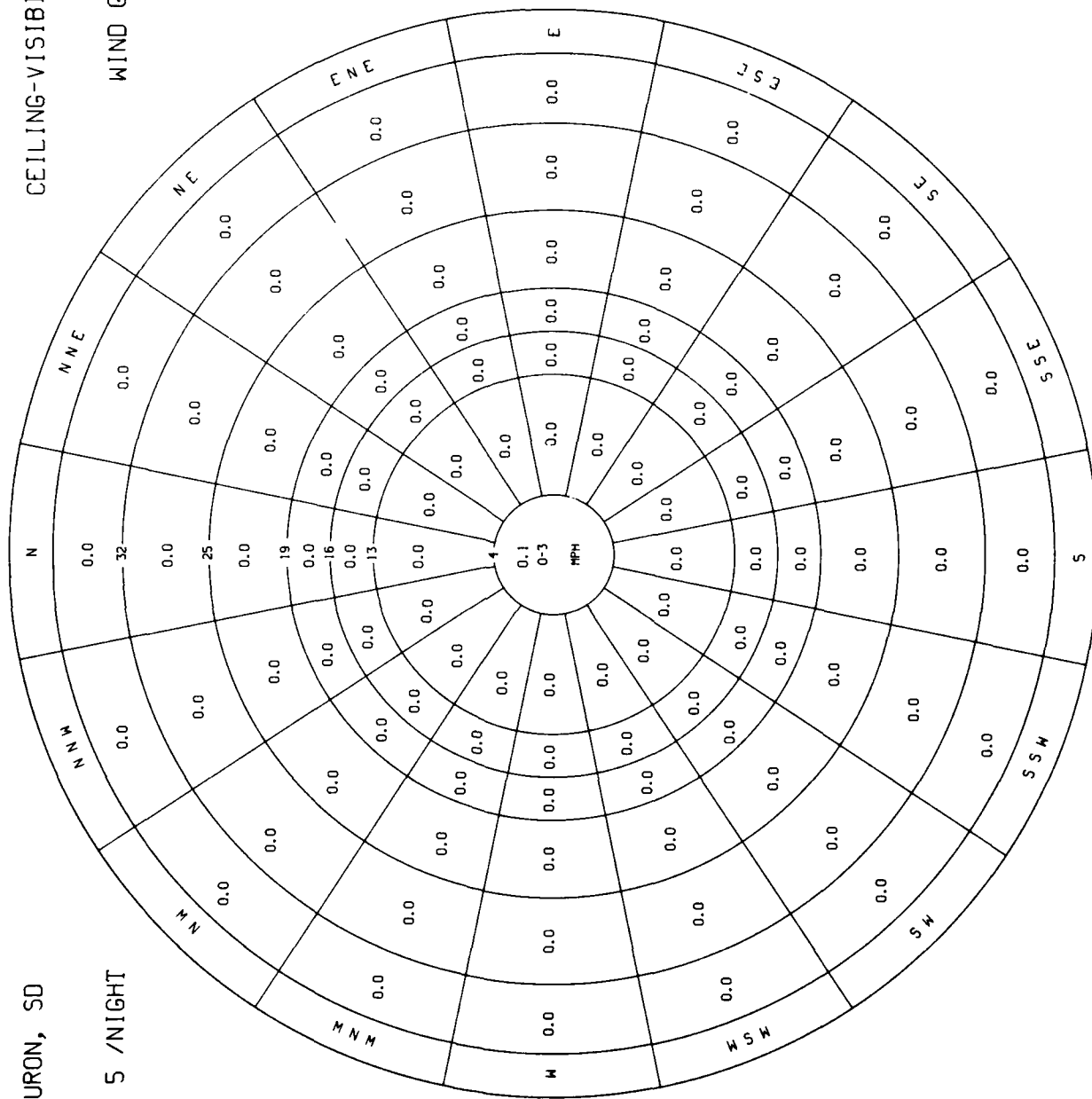
CLASS 5 / DAY

STATION NUMBER: 14936

NO. OBS.: 149

D I R	SPEED GROUPS (MPH)																					AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL							
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D						
N	.0	1.3	.0	3.4	.0	.7	.0	.7	.0	2.7	.0	1.3	.0	.0	.0	10.1	13.7					
NNE	.0	.0	.0	2.7	.0	.0	.0	.7	.0	1.3	.0	2.0	.0	.0	.0	6.7	16.5					
NE	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	2.0	15.0					
ENE	.0	.0	.0	.7	.0	1.3	.0	.0	.0	.7	.0	.0	.0	.0	.0	2.7	14.5					
E	.0	.0	.0	3.4	.0	.7	.0	.0	.0	.7	.0	.7	.0	.0	.0	5.4	11.1					
ESE	.0	1.3	.0	4.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.0	6.3					
SE	.0	.0	.0	1.3	.0	2.0	.0	.7	.0	.7	.0	.0	.0	.0	.0	4.7	13.7					
SSE	.0	.7	.0	4.7	.0	2.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	8.1	9.7					
S	.0	.0	.0	8.1	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.7	10.1	12.4					
SSW	.0	1.3	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	5.2					
SW	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	2.0					
WSW	.0	.7	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	5.7					
W	.0	.7	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	6.0					
WNW	.0	1.3	.0	1.3	.0	.0	.0	.7	.0	.7	.0	.0	.0	.0	1.3	5.4	16.0					
NW	.0	1.3	.0	6.7	.0	.7	.0	.7	.0	1.3	.0	2.7	.0	1.3	.0	14.8	15.8					
NNW	.0	.0	.0	4.0	.0	.7	.0	.0	.0	2.7	.0	2.0	.0	2.0	.0	11.4	19.5					
CALM	.0	5.4													.0	5.4						
TOTAL	.0	15.4	.1	45.6	.0	8.1	.0	4.7	.0	12.1	.0	8.7	.0	5.4	.3	100	12.6					

CEILING-VISIBILITY
WIND GRAPH



HON HURON, SD
CLASS 5 / NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: HON HURON, SD

CLASS 5 / NIGHT

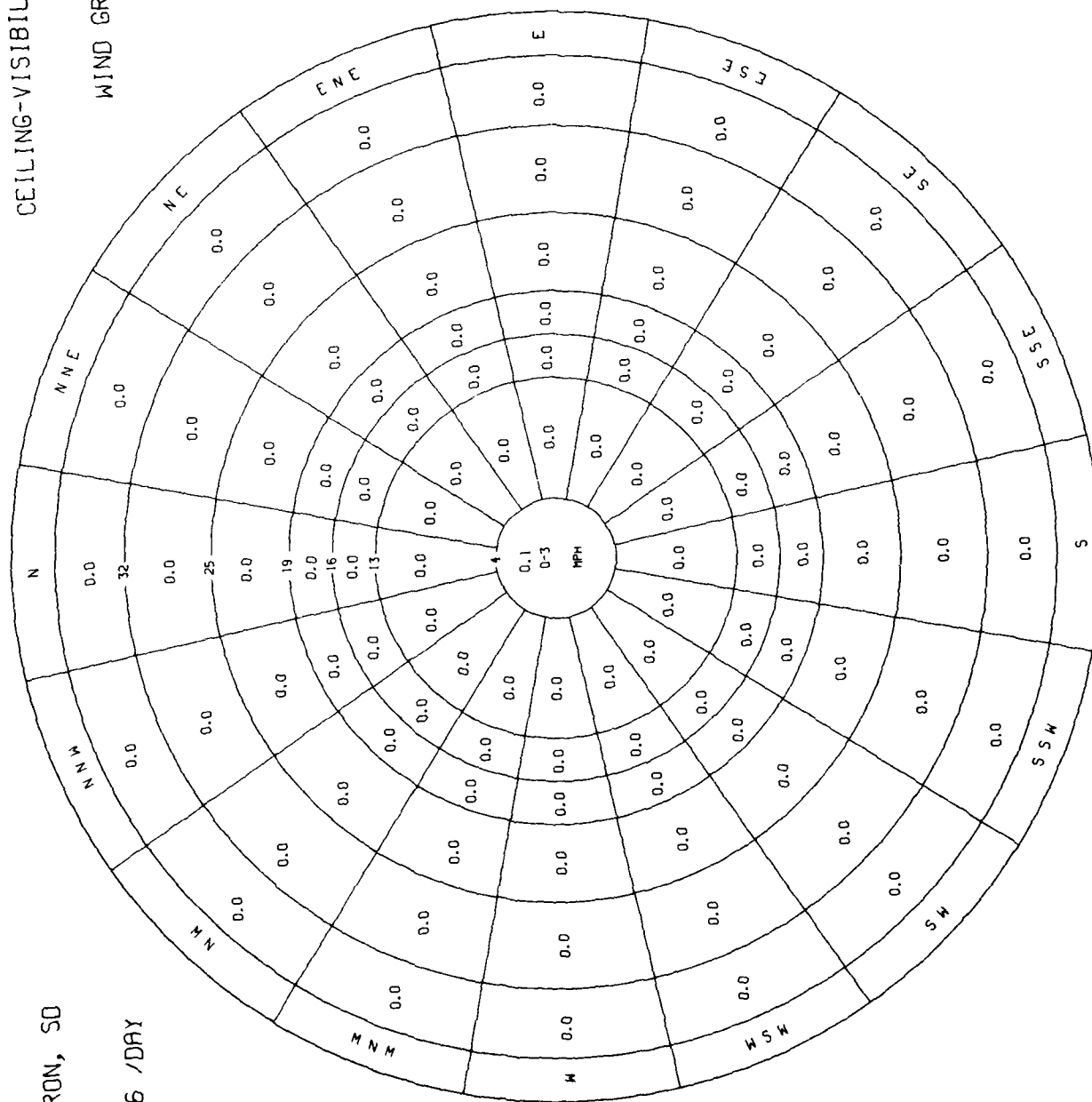
NO. OBS.: 210

STATION NUMBER: 14936

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	D-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	2.4	.0	3.8	.0	1.0	.0	1.0	.0	1.4	.0	1.0	.0	.5	.1 11.0
NNE	.0	1.0	.0	.5	.0	.5	.0	.0	.0	1.0	.0	1.4	.0	.0	.0 4.3
NNE	.0	1.9	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.9
ENE	.0	.5	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.4
E	.0	.5	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.4
ESE	.0	1.0	.0	2.9	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0 4.8
SE	.0	.5	.0	5.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0 6.2
SSE	.0	1.0	.0	8.1	.0	2.4	.0	.0	.0	.5	.0	.0	.0	.5	.1 12.4
S	.0	.5	.0	4.3	.0	1.9	.0	.5	.0	1.0	.0	.0	.0	.0	.0 8.1
SSW	.0	1.4	.0	2.9	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.8
SW	.0	1.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.4
WSW	.0	1.9	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.4
W	.0	.0	.0	1.4	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.4
WNW	.0	1.0	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.8
NW	.0	1.9	.0	5.2	.0	.0	.0	.0	.0	.0	.0	2.4	.0	2.9	.1 12.4
NNW	.0	.5	.0	3.8	.0	.0	.0	.5	.0	1.9	.0	2.9	.0	1.0	.1 10.5
CALM	.0	8.1													.0 8.1
TOTAL	.1	24.8	.2	46.7	.0	7.6	.0	2.4	.0	5.7	.0	7.6	.0	5.2	.5 100
															10.7

HON HURON, SD

CLASS 6 / DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HON HURON, SD

PERIOD: 1948-1978

CLASS 6 / DAY

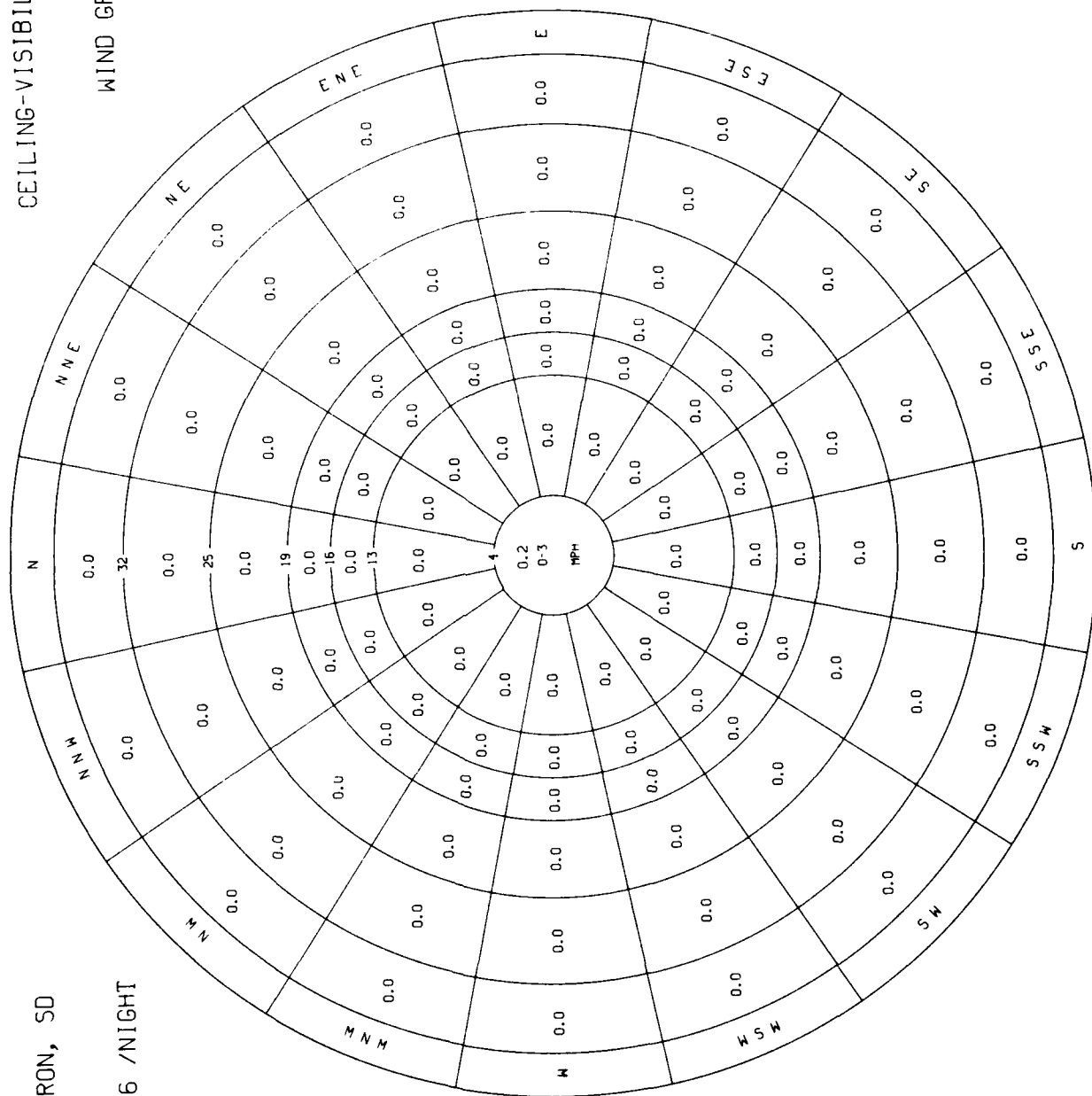
STATION NUMBER: 14936

NO. OBS.: 143

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D
N	.0	.7	.0	.7	.0	.7	.0	.0	.0	1.4	.0	4.9	.0	.7	.0	9.1
NNE	.0	.7	.0	1.4	.0	.0	.0	.0	.0	2.1	.0	.7	.0	3.5	.0	8.4
NE	.0	1.4	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1
ENE	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7
E	.0	.7	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	2.8
ESE	.0	2.8	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.9
SE	.0	1.4	.0	6.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.7
SSE	.0	.7	.0	4.9	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	6.3
S	.0	.7	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4
SSW	.0	1.4	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8
SW	.0	1.4	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2
WSW	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4
W	.0	.7	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	2.8
WNW	.0	1.4	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	.0	5.6
NW	.0	2.1	.0	4.2	.0	.0	.0	.0	.0	.7	.0	5.6	.0	4.9	.1	17.5
NNW	.0	.0	.0	3.5	.0	.0	.0	.0	.0	.0	.0	7.0	.0	7.0	.1	17.5
CALM	.0	4.9													.0	4.9
TOTAL	.1	21.0	.1	36.4	.0	.7	.0	.0	.0	4.9	.1	19.6	.1	17.5	.3	100
																16.2

HON HURON, SD

CLASS 6 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: HON HURON, SD

CLASS 6 / NIGHT

NO. OBS.: 220

STATION NUMBER: 14936

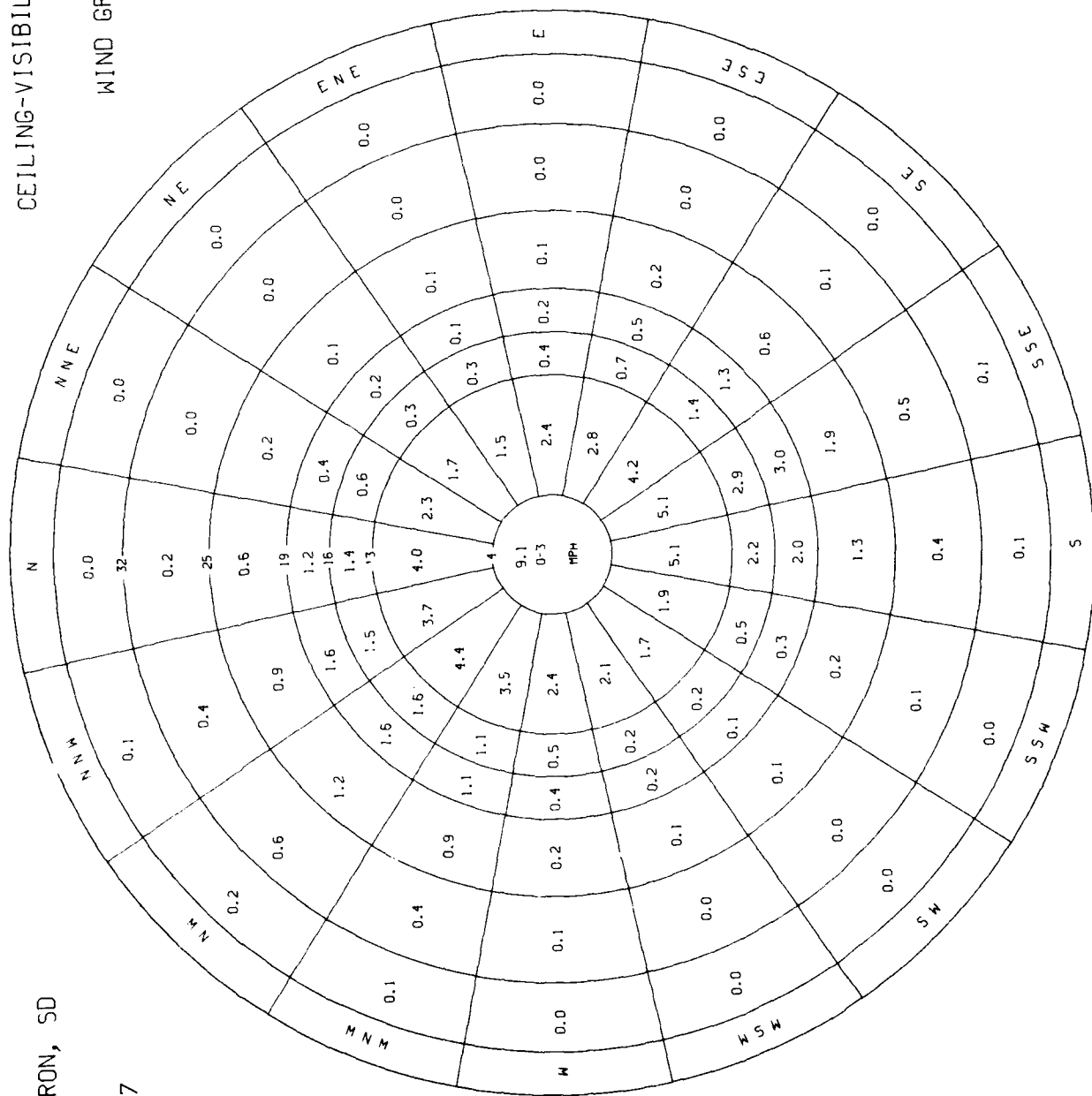
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C
N	.0	.5	.0	.9	.0	.5	.0	.5	.0	.9	.0	2.3	.0	.5	.0	5.9	20.9
NNE	.0	.9	.0	.0	.0	.0	.0	.0	.0	.9	.0	.0	.0	.5	.0	2.3	17.6
NE	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	3.0
ENE	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	4.0
E	.0	2.7	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.5	3.8
ESE	.0	1.4	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	4.2
SE	.0	2.7	.0	5.5	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	9.1	6.5
SSE	.0	1.4	.0	5.5	.0	2.7	.0	.5	.0	.0	.0	.0	.0	.0	.1	10.0	9.8
S	.0	2.7	.0	8.2	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.1	11.4	6.7
SSW	.0	1.4	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	5.6
SW	.0	1.8	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	3.7
WSW	.0	.9	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	4.2
W	.0	.5	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	5.4
WNW	.0	.5	.0	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.1	5.6
NW	.0	.5	.0	4.5	.0	.0	.0	.0	.0	.9	.0	1.8	.0	2.3	.1	10.0	18.5
NNW	.0	.9	.0	5.5	.0	.5	.0	.0	.0	.9	.0	4.1	.0	.9	.1	12.7	17.0
CALM	.1	15.5													.5	15.5	
TOTAL	.2	35.5	.2	42.7	.0	3.6	.0	2.3	.0	3.6	.0	8.2	.0	4.1	.5	100	9.0

CEILING-VISIBILITY

WIND GRAPH

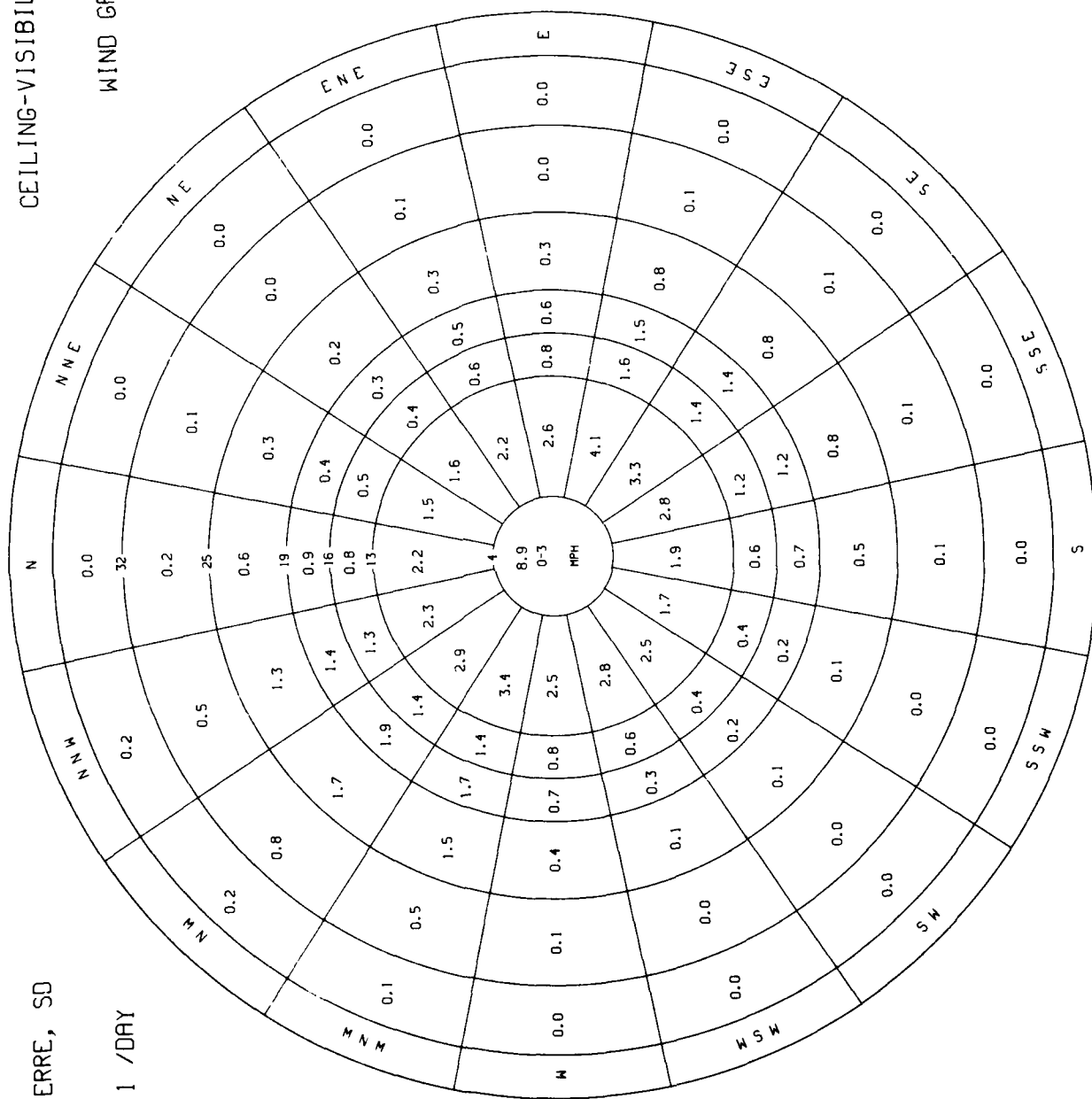
HON HURON, SD

CLASS 7



CEILING-VISIBILITY

WIND GRAPH



PIR PIERRE, SD

CLASS 1 /DAY

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: PIR PIERRE, SD

CLASS 1 / DAY

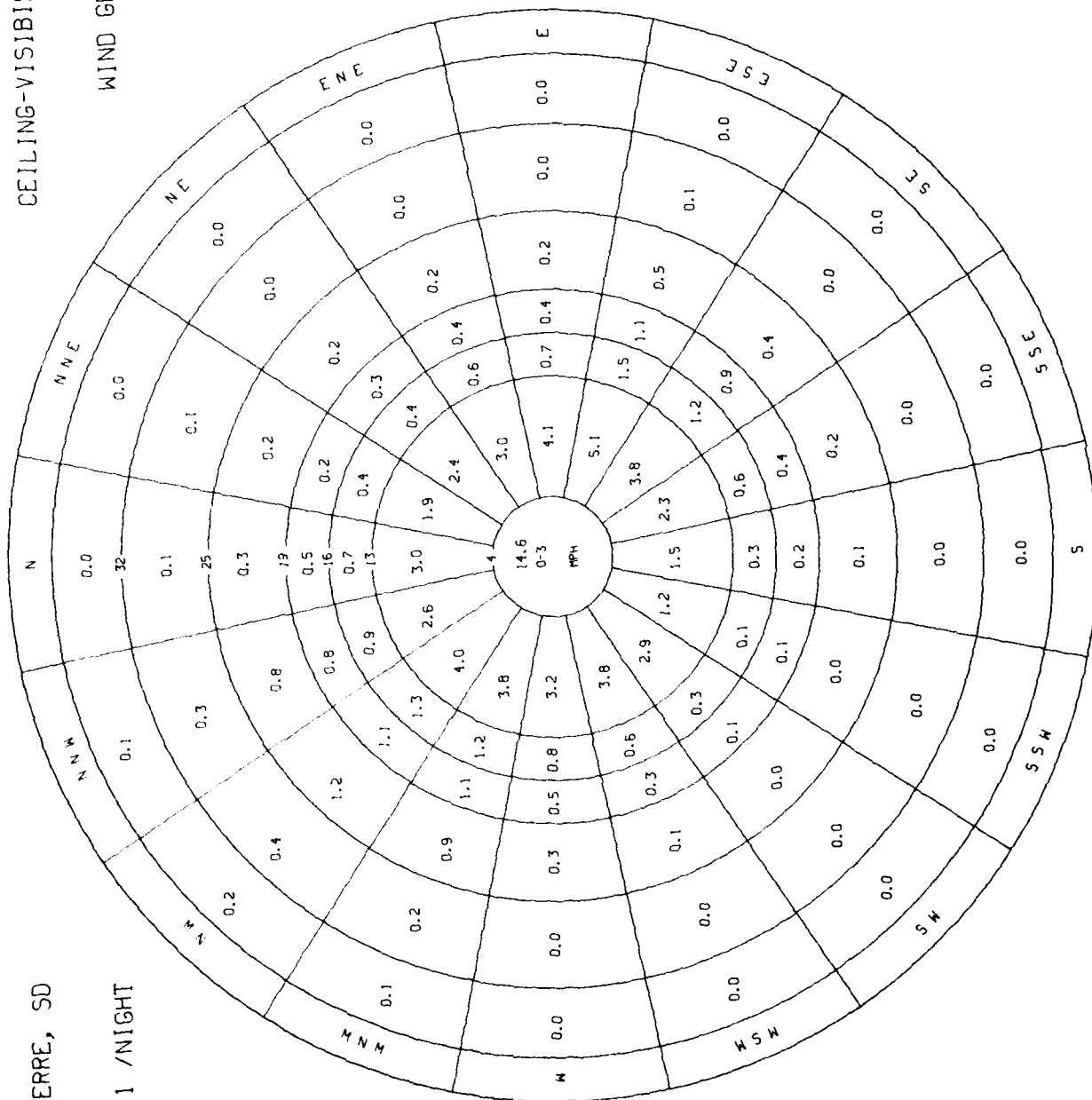
NO. OBS.: 44245

STATION NUMBER: 24025

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D
N	.2	.2	2.2	2.4	.8	.9	.9	1.0	.6	.7	.2	.2	.0	.0	4.8	5.3	13.2
NNE	.2	.2	1.5	1.7	.5	.5	.4	.4	.3	.3	.1	.1	.0	.0	2.9	3.2	11.6
NENE	.3	.3	1.6	1.8	.4	.5	.3	.4	.2	.2	.0	.0	.0	.0	2.9	3.3	10.6
ENE	.2	.3	2.2	2.4	.6	.6	.5	.5	.3	.3	.1	.1	.0	.0	3.8	4.2	11.2
E	.3	.3	2.6	2.8	.8	.8	.6	.6	.3	.3	.0	.0	.0	.0	4.5	5.0	12.4
ESE	.3	.4	4.1	4.6	1.6	1.8	1.5	1.6	.8	.9	.1	.1	.0	.0	7.5	8.3	12.6
SE	.4	.4	3.3	3.7	1.4	1.5	1.4	1.6	.8	.9	.1	.1	.0	.0	6.6	7.2	12.7
SSE	.4	.5	2.8	3.1	1.2	1.3	1.2	1.4	.8	.9	.1	.1	.0	.0	4.3	4.7	12.0
S	.4	.4	1.9	2.1	.6	.7	.7	.8	.5	.5	.1	.1	.0	.0	2.8	3.1	9.3
SSW	.4	.5	1.7	1.9	.4	.4	.2	.3	.1	.1	.0	.0	.0	.0	3.5	3.9	8.8
SW	.4	.5	2.5	2.7	.4	.4	.2	.2	.1	.1	.0	.0	.0	.0	4.1	4.5	9.7
WSW	.3	.3	2.8	3.1	.6	.7	.3	.3	.1	.1	.1	.1	.0	.0	4.8	5.3	12.1
W	.2	.3	2.5	2.8	.8	.8	.7	.8	1.5	1.7	.5	.6	.1	.2	9.0	10.0	14.6
WNW	.3	.3	3.4	3.8	1.4	1.6	1.7	1.9	1.7	1.9	.8	.9	.2	.3	9.2	10.2	15.8
NW	.3	.3	2.9	3.2	1.4	1.5	1.9	2.1	1.3	1.5	.5	.5	.2	.2	7.2	7.9	15.4
NNW	.2	.2	2.3	2.6	1.3	1.4	1.4	1.6	1.3	1.5	.5	.5	.7	.7	4.0	4.4	12.1
CALM	4.0	4.4			14.0	15.5	13.9	15.4	9.8	10.9	2.7	3.0			90.4	100	
TOTAL	8.9	9.8	40.5	44.7													

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: PIR PIERRE, SD

CLASS 1 / NIGHT

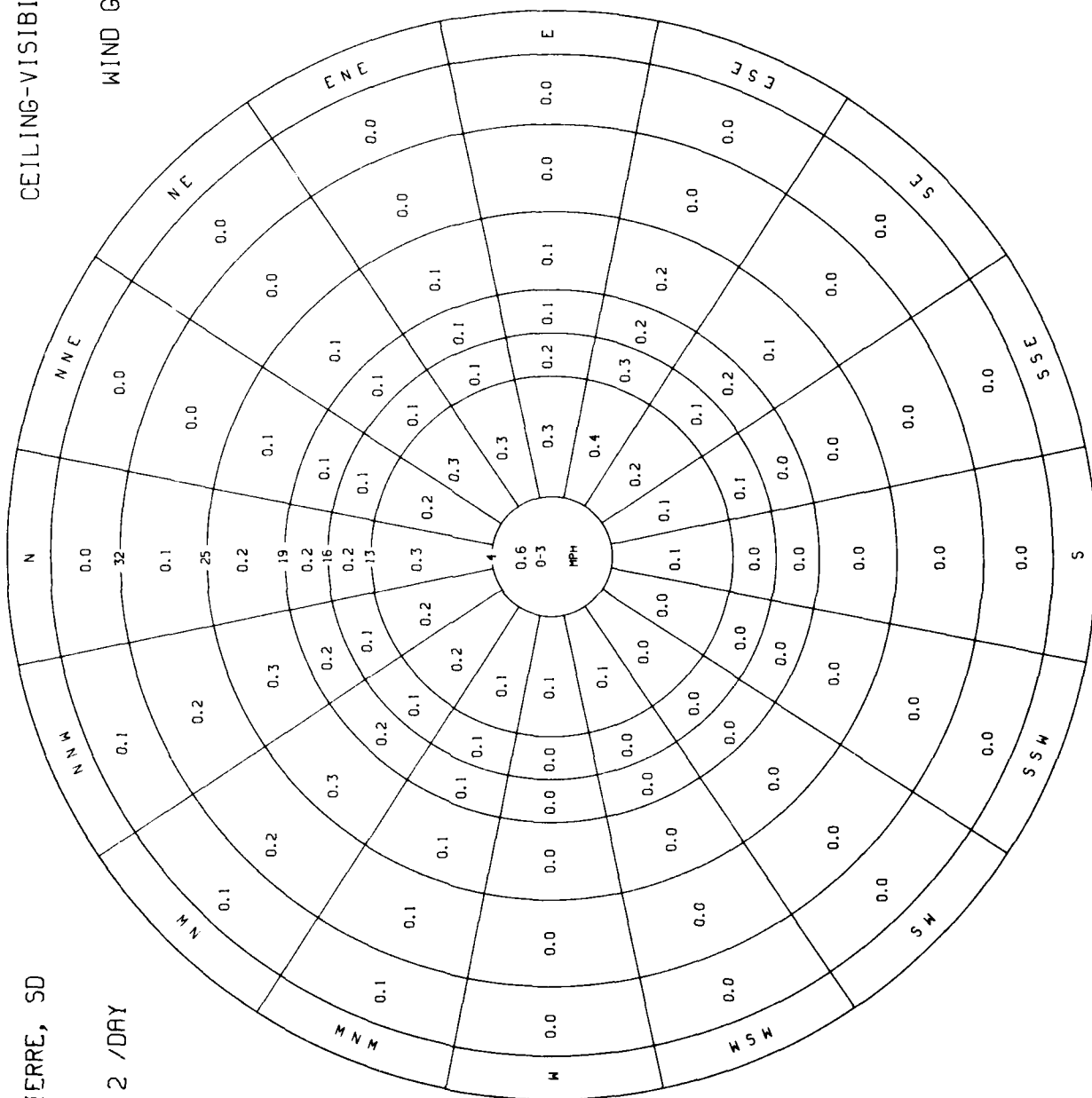
NO. OBS.: 37624

STATION NUMBER: 24025

D I R	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.3	.3	3.0	3.3	.7	.8	.5	.6	.3	.4	.1	.1	.0	.0	4.9	5.4	11.1
NNE	.4	.4	1.9	2.1	.4	.4	.2	.2	.2	.2	.1	.1	.0	.0	3.1	3.4	9.8
NE	.5	.6	2.4	2.6	.4	.4	.3	.3	.2	.2	.0	.0	.0	.0	3.8	4.2	9.2
ENE	.5	.5	3.0	3.3	.6	.7	.4	.4	.2	.2	.0	.0	.0	.0	4.8	5.3	9.7
E	.6	.6	4.1	4.5	.7	.8	.4	.5	.2	.2	.0	.0	.0	.0	6.0	6.6	9.4
ESE	.5	.6	5.1	5.7	1.5	1.7	1.1	1.2	.5	.6	.1	.1	.0	.0	8.9	9.8	11.3
SE	.5	.5	3.8	4.2	1.2	1.3	.9	1.0	.4	.5	.0	.1	.0	.0	6.9	7.6	11.1
SSE	.5	.6	2.3	2.6	.6	.7	.4	.4	.2	.2	.0	.0	.0	.0	4.2	4.6	9.9
S	.5	.6	1.5	1.6	.3	.3	.2	.2	.1	.1	.0	.0	.0	.0	2.5	2.7	8.4
SSW	.5	.5	1.2	1.3	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	2.0	2.2	7.4
SW	.7	.8	2.9	3.2	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	4.0	4.4	7.5
WSW	.5	.5	3.8	4.2	.6	.7	.3	.3	.1	.1	.0	.0	.0	.0	5.2	5.8	9.1
W	.3	.3	3.2	3.5	.8	.8	.5	.6	.3	.3	.0	.0	.0	.0	5.0	5.6	10.6
WNW	.3	.3	3.8	4.2	1.2	1.3	1.1	1.2	.9	1.0	.2	.3	.1	.1	7.7	8.5	13.0
NW	.3	.4	4.0	4.4	1.3	1.4	1.1	1.3	1.2	1.3	.4	.5	.2	.2	8.6	9.5	13.8
NNW	.3	.3	2.6	2.9	.9	1.0	.8	.9	.8	.9	.3	.3	.1	.1	5.8	6.4	13.6
CALM	7.5	8.3													7.5	8.3	
TOTAL	14.6	16.1	48.6	53.6	11.5	12.7	8.4	9.3	5.7	6.3	1.3	1.5	.5	.5	90.8	100	10.0

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PIR PIERRE, SD

PERIOD: 1948-1978

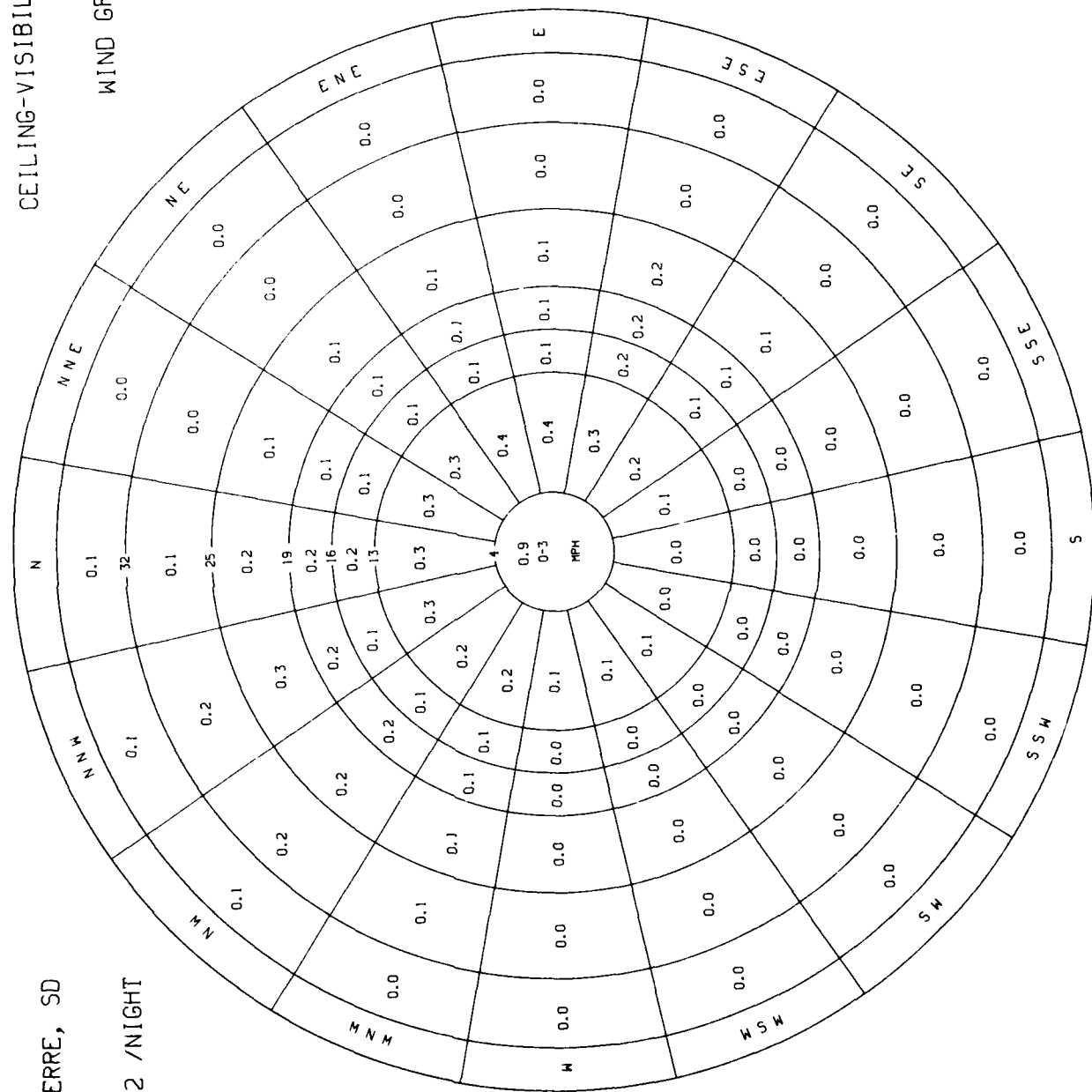
CLASS 2 / DAY

STATION NUMBER: 24025

NO. OBS.: 4693

D I R	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.3	.3	3.4	.2	1.7	.2	2.4	.2	2.0	.1	.8	.0	.4	1.0	10.9	16.0
NNE	.0	.3	.2	2.2	.1	1.0	.1	1.4	.1	1.3	.0	.4	.0	.1	.6	6.7	15.3
NNE	.0	.2	.3	2.7	.1	1.3	.1	1.2	.1	1.2	.0	.3	.0	.2	.7	7.0	14.7
ENE	.0	.4	.3	2.7	.1	1.4	.1	1.5	.1	1.1	.0	.3	.0	.1	.7	7.5	14.1
E	.0	.3	.3	3.6	.2	1.6	.1	1.5	.1	1.0	.0	.2	.0	.0	.8	8.2	13.2
ESE	.0	.3	.4	4.5	.3	2.6	.2	2.4	.2	2.0	.0	.5	.0	.1	1.2	12.4	14.5
SE	.0	.1	.2	2.6	.1	1.3	.2	1.7	.1	1.1	.0	.2	.0	.0	.7	7.0	14.2
SSE	.0	.2	.1	1.4	.1	.6	.0	.5	.0	.2	.0	.0	.0	.0	.3	2.8	11.4
S	.0	.2	.1	.5	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	.9	8.1
SSW	.0	.1	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.6	9.7
SW	.0	.2	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.7	7.6
WSW	.0	.1	.1	.7	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.1	1.0	9.2
W	.0	.1	.1	.9	.0	.3	.0	.2	.0	.2	.0	.2	.0	.1	.2	2.1	13.2
WNW	.0	.1	.1	1.5	.1	.9	.1	1.1	.1	.9	.1	.7	.1	.6	.6	5.8	18.1
NW	.0	.2	.2	2.5	.1	1.5	.2	1.7	.3	2.6	.2	1.8	.1	1.3	1.1	11.6	19.5
NNW	.0	.1	.2	2.1	.1	1.4	.2	2.6	.3	3.2	.2	1.9	.1	1.1	1.2	12.3	19.9
CALM	.2	2.5													.2	2.5	
TOTAL	.6	5.8	3.1	32.0	1.5	15.9	1.7	18.2	1.6	16.7	.7	7.3	.4	4.1	9.6	100	15.4

CEILING-VISIBILITY
WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: PIR PIERRE. SD

CLASS 2 / NIGHT

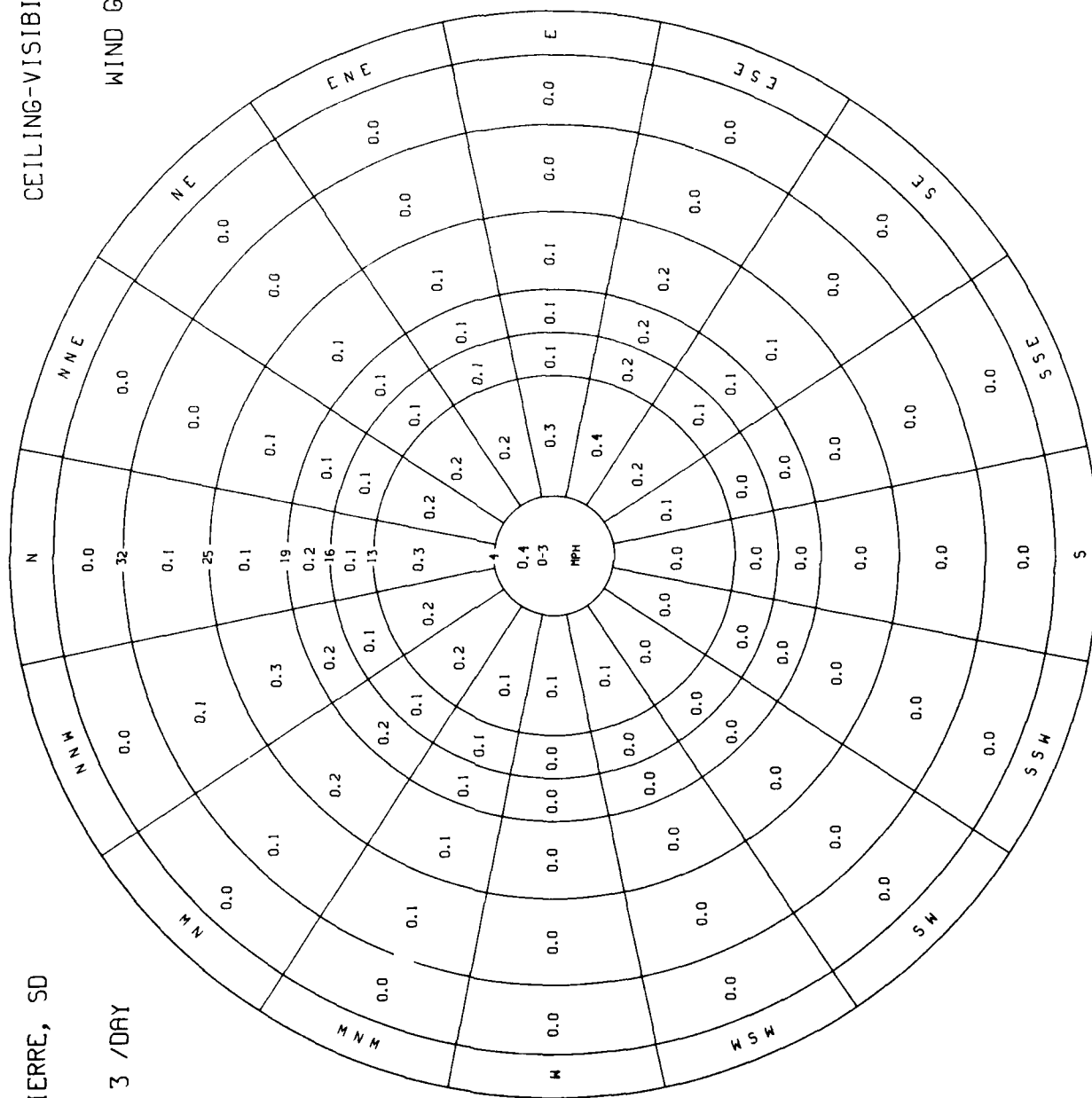
NO. OBS.: 3818

STATION NUMBER: 24025

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D
N	.0	.3	.3	3.1	.2	1.8	.2	2.0	.2	2.0	.1	1.2	.1	.6	1.0	11.0	16.7
NNE	.0	.3	.3	2.9	.1	1.0	.1	.9	.1	.8	.0	.3	.0	.1	.6	6.3	13.6
NE	.0	.3	.3	3.4	.1	1.0	.1	1.4	.1	1.0	.0	.2	.0	.0	.7	7.4	13.1
ENE	.0	.2	.4	4.3	.1	1.5	.1	1.6	.1	1.1	.0	.3	.0	.1	.8	9.1	13.4
E	.0	.3	.4	3.9	.1	1.5	.1	1.2	.1	.8	.0	.1	.0	.0	.7	7.7	12.4
ESE	.0	.5	.3	3.7	.2	1.8	.2	2.0	.2	1.9	.0	.5	.0	.0	1.0	10.4	14.5
SE	.0	.4	.2	2.6	.1	1.4	.1	1.0	.1	.7	.0	.3	.0	.0	.6	6.4	12.9
SSE	.0	.2	.1	1.0	.0	.3	.0	.3	.0	.1	.0	.0	.0	.0	.2	1.9	10.3
S	.0	.1	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.6	7.9
SSW	.0	.1	.0	.3	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.5	10.1
SW	.0	.3	.1	.6	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	.9	6.9
WSW	.0	.2	.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.9	6.6
W	.0	.2	.1	.9	.0	.2	.0	.2	.0	.2	.0	.1	.0	.0	.2	1.8	11.4
WNW	.0	.2	.2	1.8	.1	.7	.1	.8	.1	1.0	.1	.6	.0	.4	.5	5.4	16.9
NW	.0	.2	.2	2.2	.1	1.2	.2	1.7	.2	2.5	.2	2.1	.1	1.1	1.0	11.0	19.9
NNW	.0	.3	.3	2.9	.1	1.3	.2	2.6	.3	3.4	.2	1.8	.1	.9	1.2	13.1	18.6
CALM	.5	5.7													.5	5.7	
TOTAL	.9	9.8	3.2	34.5	1.3	13.7	1.4	15.7	1.4	15.6	.7	7.4	.3	3.3	9.2	100	14.3

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PIR PIERRE, SD

PERIOD: 1948-1978

CLASS 3 / DAY

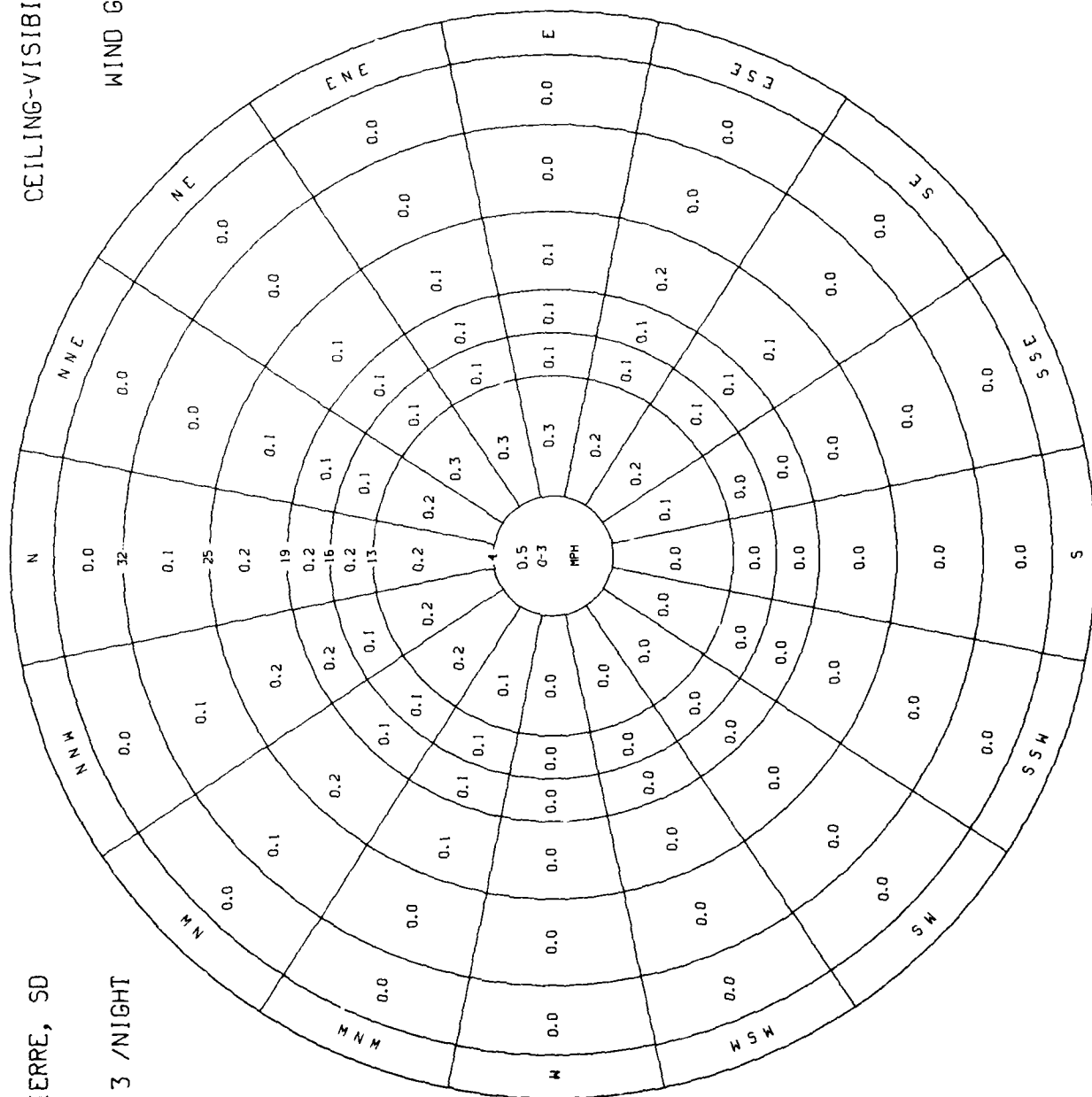
STATION NUMBER: 24025

NO. OBS.: 3930

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D
N	.0	.3	.3	3.6	.1	1.9	.2	2.7	.1	1.9	.1	.7	.0	.2	.9	11.1	15.3
NNE	.0	.3	.2	2.3	.1	1.1	.1	1.5	.1	1.2	.0	.4	.0	.1	.6	6.9	15.0
NE	.0	.2	.2	2.7	.1	1.3	.1	1.2	.1	1.1	.0	.2	.0	.2	.6	6.9	14.3
ENE	.0	.2	.2	2.7	.1	1.5	.1	1.6	.1	1.1	.0	.2	.0	.1	.6	7.4	14.0
E	.0	.2	.3	3.9	.1	1.7	.1	1.5	.1	1.0	.0	.2	.0	.0	.7	8.5	13.1
ESE	.0	.2	.4	4.4	.2	2.7	.2	2.1	.2	2.0	.0	.5	.0	.1	1.0	12.1	14.6
SE	.0	.1	.2	2.5	.1	1.5	.1	1.8	.1	1.1	.0	.2	.0	.0	.6	7.3	14.4
SSE	.0	.2	.1	1.4	.0	.6	.0	.6	.0	.2	.0	.0	.0	.0	.2	2.9	11.9
S	.0	.1	.0	.5	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1	.8	8.6
SSW	.0	.2	.0	.4	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1	.1	.7	10.0
SW	.0	.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.7	8.1
WSW	.0	.1	.1	.7	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.1	1.1	9.5
W	.0	.2	.1	.9	.0	.4	.0	.2	.0	.3	.0	.2	.0	.0	.2	2.1	12.7
WNW	.0	.1	.1	1.6	.1	1.1	.1	1.2	.1	1.0	.1	.6	.0	.3	.5	6.0	16.8
NW	.0	.2	.2	2.7	.1	1.7	.2	2.0	.2	2.9	.1	1.4	.0	.6	.9	11.5	17.8
NNW	.0	.1	.2	2.3	.1	1.6	.2	2.7	.3	3.2	.1	1.5	.0	.5	1.0	12.0	18.4
CALM	.2	2.1													.2	2.1	
TOTAL	.4	5.0	2.7	33.2	1.4	17.3	1.6	19.3	1.4	17.0	.5	6.1	.2	2.1	8.0	100	14.8

CEILING-VISIBILITY
WIND GRAPH

PIR PIERRE, SD
CLASS 3 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME:PIR PIERRE, SD

PERIOD: 1948-1978

CLASS 3 / NIGHT

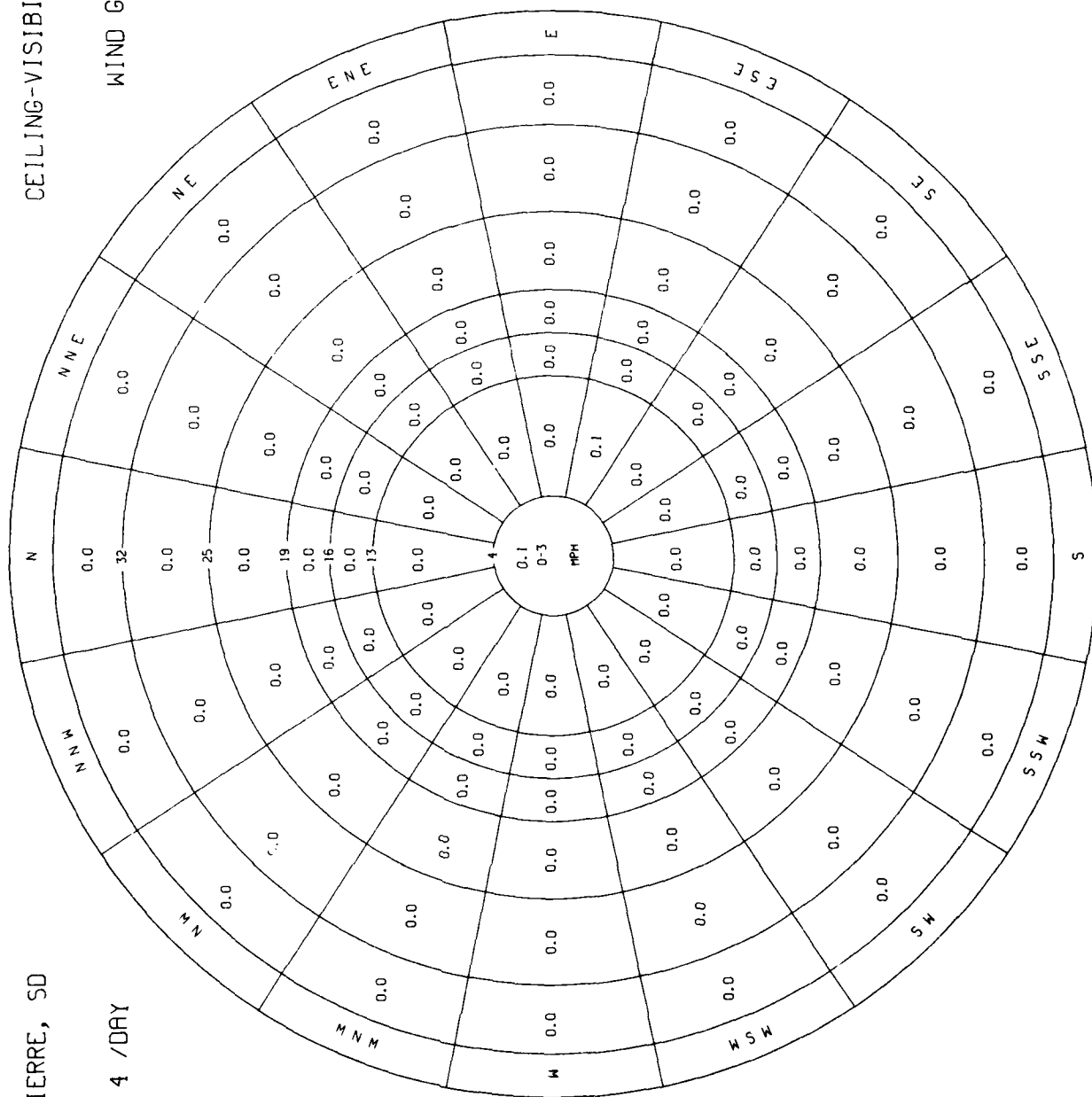
STATION NUMBER:24025

NO. OBS.: 2913

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.0	.4	.2	3.4	.2	2.2	.2	2.5	.2	2.3	.1	1.2	.0	.4	.9	12.3	16.3
NNE	.0	.2	.2	3.3	.1	1.2	.1	1.0	.1	.8	.0	.3	.0	.1	.5	6.8	13.4
NE	.0	.1	.3	3.6	.1	1.2	.1	1.5	.1	1.1	.0	.2	.0	.0	.5	7.8	13.6
ENE	.0	.2	.3	4.5	.1	1.6	.1	1.6	.1	1.3	.0	.2	.0	.0	.7	9.4	13.2
E	.0	.2	.3	4.0	.1	1.7	.1	1.2	.1	.9	.0	.1	.0	.0	.6	8.1	12.6
ESE	.0	.2	.2	3.5	.1	1.9	.1	2.0	.2	2.2	.0	.5	.0	.0	.7	10.4	15.1
SE	.0	.2	.2	2.6	.1	1.6	.1	1.1	.1	.7	.0	.3	.0	.0	.5	6.6	13.4
SSE	.0	.2	.1	.9	.0	.4	.0	.4	.0	.1	.0	.0	.0	.0	.1	1.9	11.4
S	.0	.1	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	9.6
SSW	.0	.0	.0	.4	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.6	9.4
SW	.0	.2	.0	.5	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	.8	7.3
WSW	.0	.2	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.8	7.5
W	.0	.2	.0	.7	.0	.2	.0	.3	.0	.3	.0	.1	.0	.0	.1	1.8	13.0
WNW	.0	.1	.1	1.8	.1	.8	.1	1.0	.1	1.1	.0	.4	.0	.2	.4	5.6	16.1
NW	.0	.1	.2	2.5	.1	1.3	.1	2.0	.2	2.6	.1	1.2	.0	.3	.7	10.1	17.5
NNW	.0	.3	.2	3.1	.1	1.5	.2	3.1	.2	3.4	.1	.9	.0	.3	.9	12.7	16.8
CALM	.3	4.1													.3	4.1	
TOTAL	.5	7.0	2.5	35.7	1.1	15.7	1.3	17.8	1.2	16.8	.4	5.4	.1	1.6	7.0	100	14.1

CEILING-VISIBILITY
WIND GRAPH

PIR PIERRE, SD
CLASS 4 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: PIR PIERRE, SD

CLASS 4 / DAY

NO. OBS.: 460

STATION NUMBER: 24025

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	C	D			
N	.0	.4	.0	2.4	.0	1.1	.0	1.3	.0	3.0	.0	1.3	.0	.9	.1	10.4	18.5
NNE	.0	.0	.0	2.4	.0	.2	.0	1.1	.0	2.6	.0	.2	.0	.2	.1	6.7	16.8
N E	.0	.0	.0	3.3	.0	1.5	.0	1.3	.0	1.5	.0	.7	.0	.2	.1	8.5	15.5
ENE	.0	1.1	.0	2.4	.0	1.5	.0	1.1	.0	1.3	.0	.4	.0	.0	.1	7.8	13.6
E	.0	.4	.0	2.6	.0	1.5	.0	2.4	.0	1.1	.0	.7	.0	.0	.1	8.7	14.4
ESE	.0	.4	.1	6.1	.0	3.3	.0	5.0	.0	2.4	.0	.4	.0	.0	.2	17.6	14.2
SE	.0	.4	.0	3.3	.0	1.1	.0	1.1	.0	.7	.0	.2	.0	.0	.1	6.7	12.3
SSE	.0	.7	.0	.9	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	1.7	8.2
S	.0	.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	5.7
SSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.9	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	1.1	7.8
WSW	.0	.0	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	10.0
W	.0	.2	.0	1.1	.0	.2	.0	.2	.0	.2	.0	.4	.0	.2	.0	2.6	15.4
WNW	.0	.0	.0	.7	.0	.0	.0	.4	.0	.7	.0	1.1	.0	.7	.0	3.5	24.2
NW	.0	.0	.0	1.5	.0	.4	.0	.0	.0	.9	.0	2.0	.0	3.3	.1	8.0	26.3
NNW	.0	.2	.0	1.3	.0	1.1	.0	2.6	.0	3.3	.0	3.3	.0	1.5	.1	13.3	21.7
CALM	.0	2.2													.0	2.2	
TOTAL	.1	6.3	.3	29.3	.1	12.2	.2	16.7	.2	17.8	.1	10.7	.1	7.0	.9	100	16.6

AD-A108 167

NATIONAL CLIMATIC CENTER ASHEVILLE NC

F/G 4/2

WIND - CEILING - VISIBILITY DATA AT SELECTED AIRPORTS. VOLUME V--ETC(U)

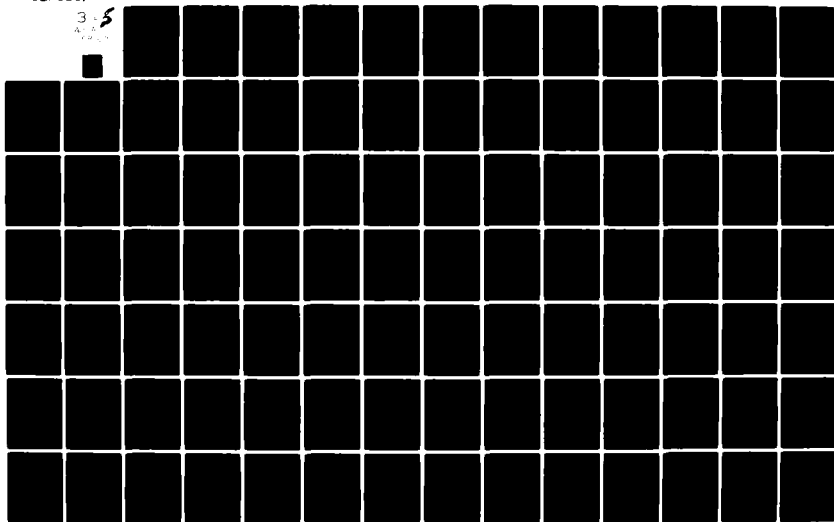
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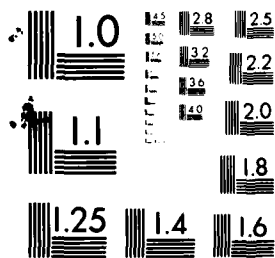
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A-108 167



3 OF 5

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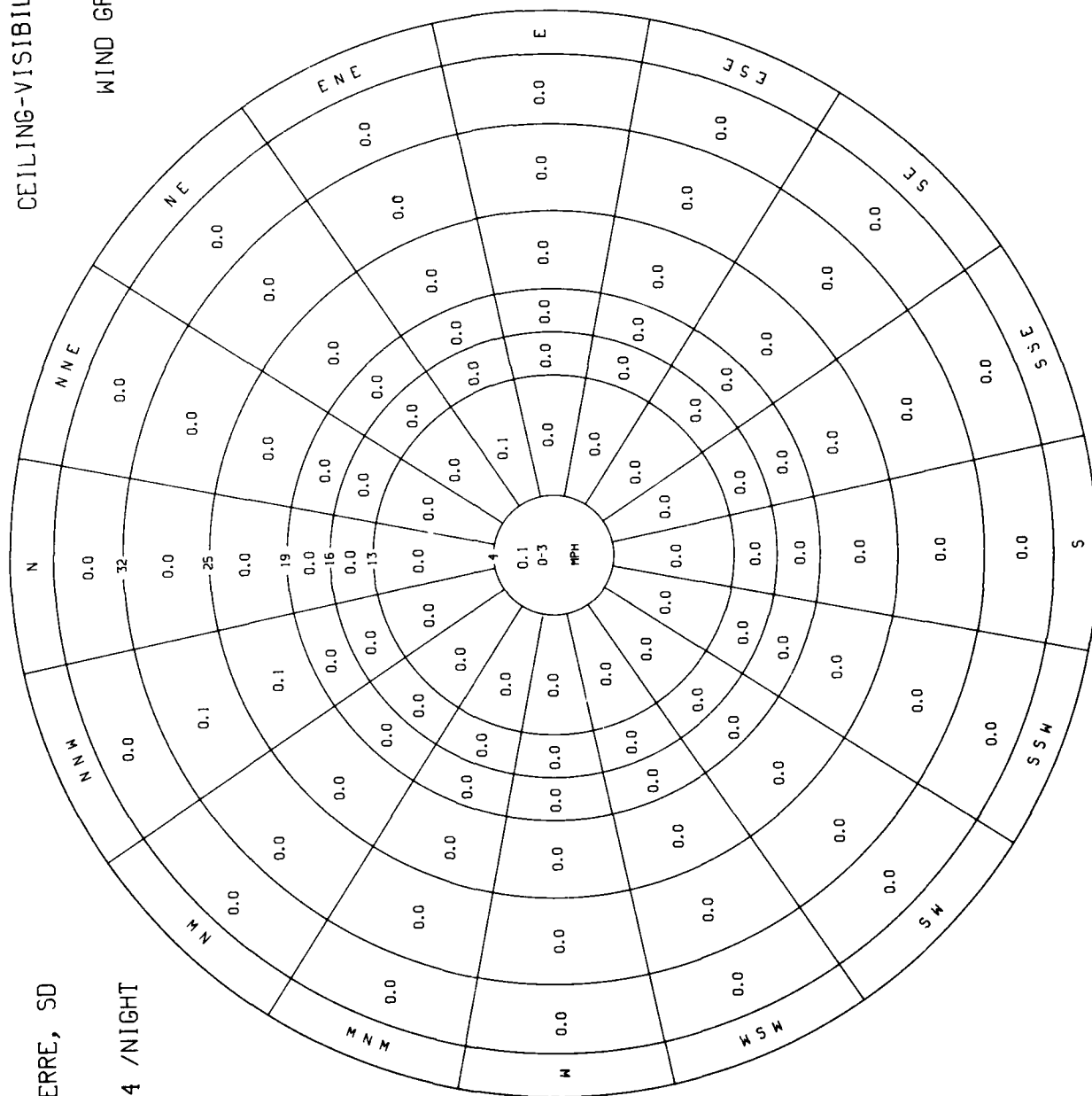


MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

CEILING-VISIBILITY

WIND GRAPH

PIR PIERRE, SD
CLASS 4 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: PIR PIERRE, SD

CLASS 4 / NIGHT

NO. OBS.: 449

STATION NUMBER: 24025

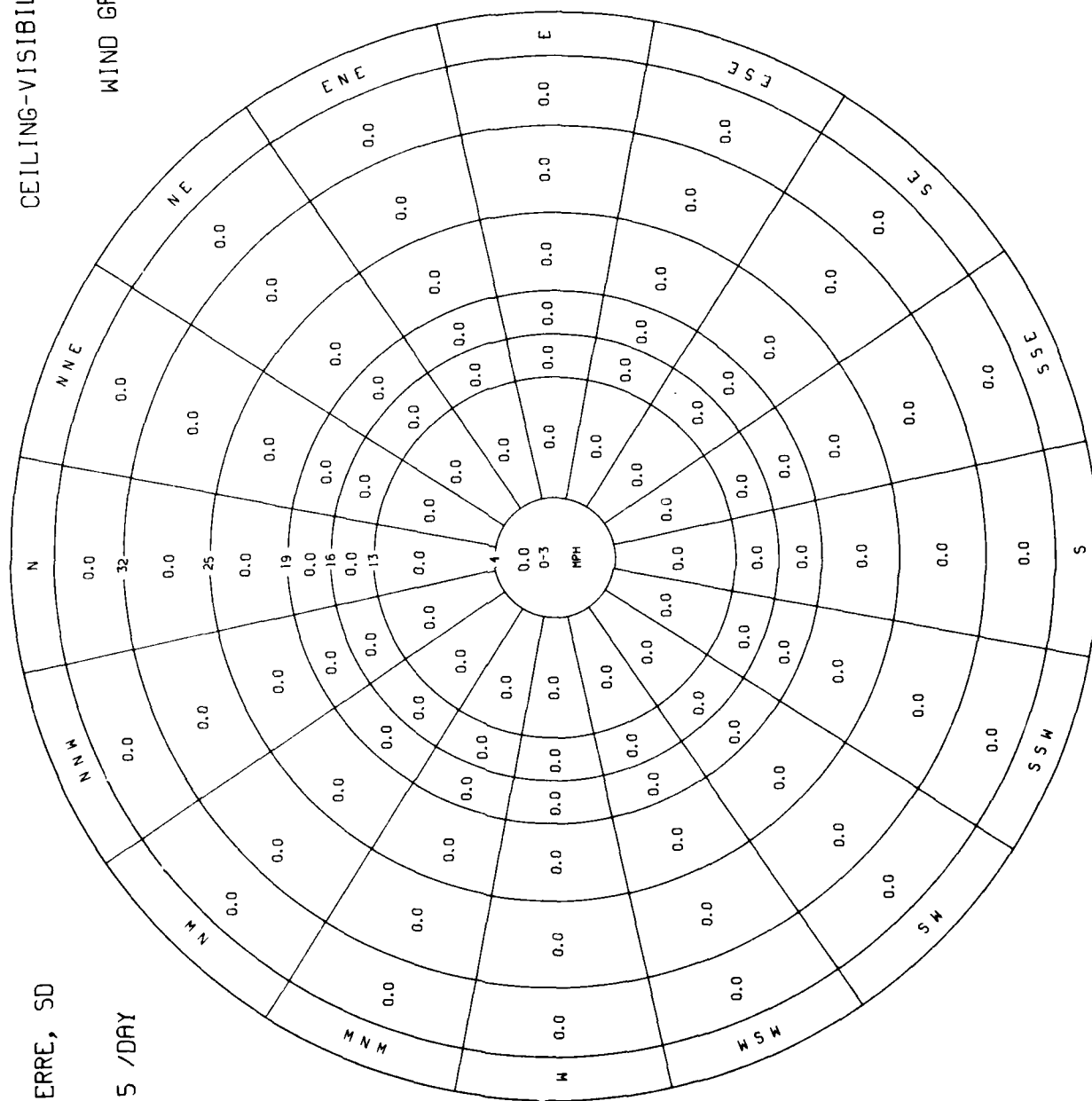
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D
N	.0	.0	.0	2.0	.0	.9	.0	1.1	.0	2.0	.0	1.8	.0	.4	.1	8.2	19.0
NNE	.0	.0	.0	2.9	.0	.9	.0	1.1	.0	1.1	.0	.4	.0	.2	.1	6.7	15.0
NE	.0	.4	.0	2.2	.0	1.3	.0	1.1	.0	1.3	.0	.2	.0	.0	.1	6.7	13.7
ENE	.0	.4	.1	4.9	.0	1.1	.0	2.2	.0	.7	.0	.7	.0	.2	.1	10.2	13.8
E	.0	.0	.0	2.7	.0	.9	.0	1.8	.0	.4	.0	.2	.0	.0	.1	6.0	13.8
ESE	.0	.7	.0	4.0	.0	1.6	.0	2.4	.0	1.6	.0	.7	.0	.0	.1	10.9	13.9
SE	.0	.9	.0	2.0	.0	.7	.0	.2	.0	1.1	.0	.4	.0	.0	.1	5.3	12.8
SSE	.0	.0	.0	1.3	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	1.8	8.8
S	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	6.5
SSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.2	.0	.7	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	7.4
WSW	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	2.0
W	.0	.4	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	5.6
WNW	.0	.2	.0	1.1	.0	.2	.0	.0	.0	.2	.0	1.1	.0	.9	.0	3.8	20.8
NW	.0	.0	.0	1.3	.0	.9	.0	.9	.0	2.7	.0	3.6	.0	1.6	.1	10.9	23.1
NNW	.0	.0	.0	1.8	.0	1.1	.0	1.3	.1	5.8	.1	5.6	.0	.2	.2	15.8	21.5
CALM	.1	9.6													.1	9.6	
TOTAL	.1	13.1	.3	29.2	.1	10.0	.1	12.5	.2	16.9	.2	14.7	.0	3.6	1.1	100	15.0

CEILING-VISIBILITY

WIND GRAPH

PIR PIERRE, SD

CLASS 5 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: PIR PIERRE, SD

CLASS 5 / DAY

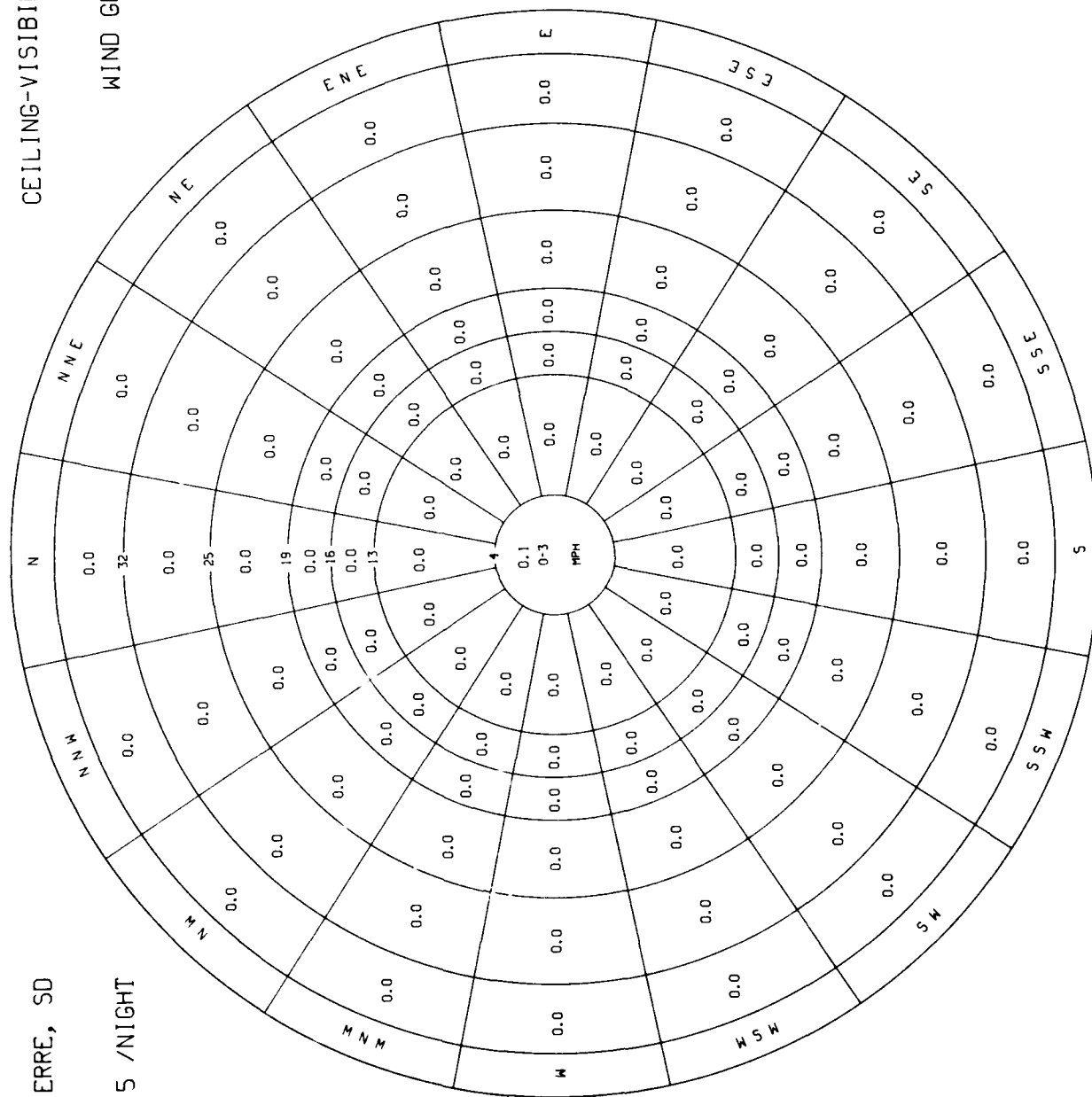
NO. OBS.: 122

STATION NUMBER: 24025

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.0	.0	2.5	.0	.0	.0	.8	.0	3.3	.0	1.6	.0	2.5	.0 10.7
NNE	.0	.0	.0	.8	.0	.8	.0	.8	.0	1.6	.0	.0	.0	.0	.0 4.1
NE	.0	.8	.0	1.6	.0	.0	.0	.8	.0	1.6	.0	.8	.0	.8	.0 6.6
ENE	.0	.0	.0	3.3	.0	.8	.0	1.6	.0	.8	.0	.0	.0	1.6	.0 8.2
E	.0	.8	.0	1.6	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0	.0 3.3
ESE	.0	1.6	.0	2.5	.0	.8	.0	2.5	.0	1.6	.0	.8	.0	.0	.0 9.0
SE	.0	.0	.0	2.5	.0	.8	.0	.0	.0	1.6	.0	.0	.0	.8	.0 5.7
SSE	.0	.8	.0	2.5	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.9
S	.0	1.6	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.3
SSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .0
WSW	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .8
W	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .8
WNW	.0	.8	.0	.8	.0	.0	.0	.0	.0	1.6	.0	.0	.0	6.6	.0 9.8
NW	.0	.0	.0	1.6	.0	.0	.0	.0	.0	2.5	.0	4.1	.0	3.3	.0 11.5
NNW	.0	.0	.0	.8	.0	.0	.0	.0	.0	1.6	.0	2.5	.0	9.0	.0 13.9
CALM	.0	7.4													.0 7.4
TOTAL	.0 13.9		.1 23.8		.0 4.9		.0 6.6		.0 16.4		.0 9.8		.1 24.6		.2 100
															18.9

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: PIR PIERRE, SD

CLASS 5 / NIGHT

NO. OBS.: 173

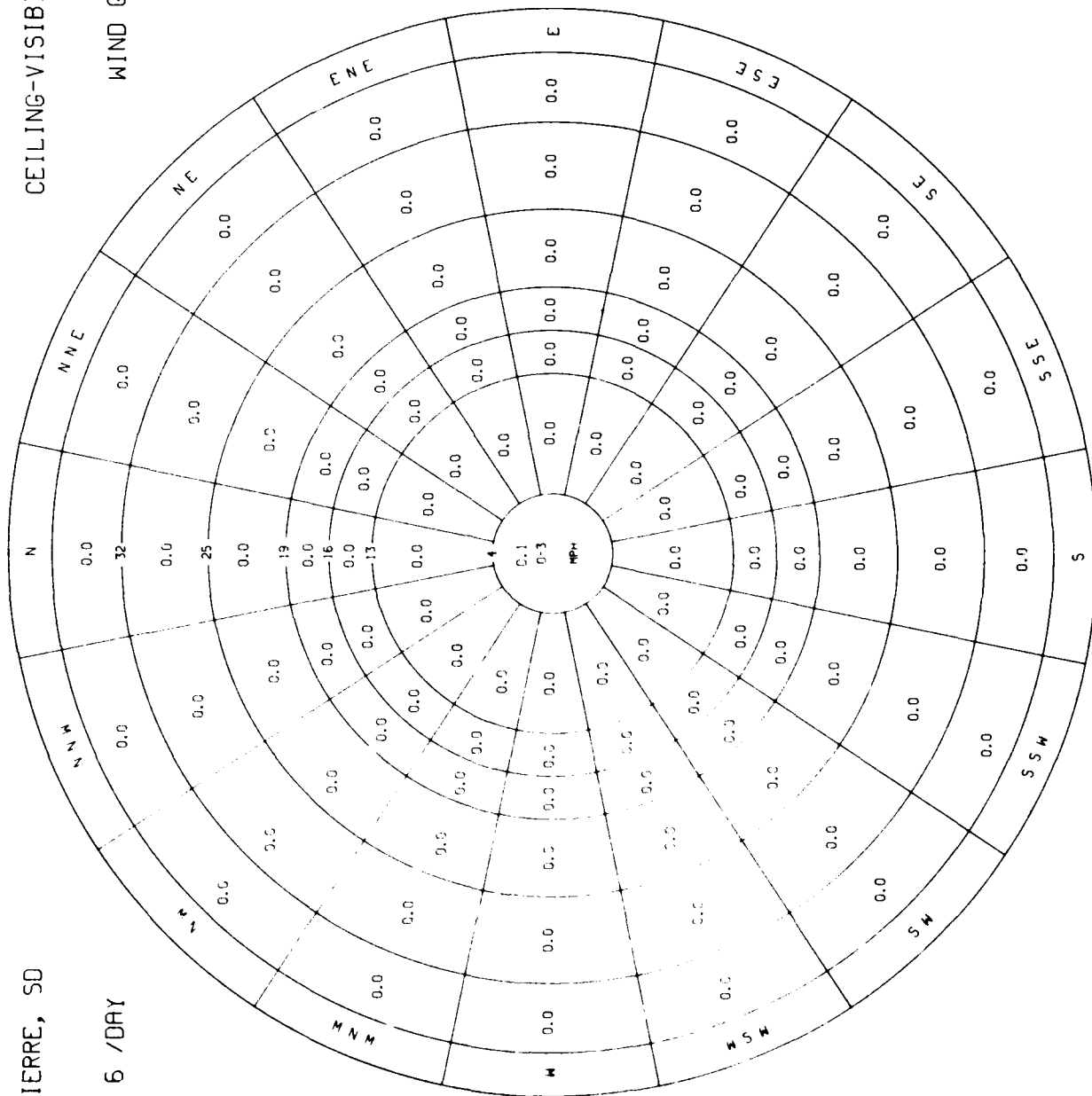
STATION NUMBER: 24025

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.6	.0	2.9	.0	.0	.0	.6	.0	.0	.0	.6	.0	.6	.0 5.2
NNE	.0	.0	.0	.0	.0	.0	.0	.6	.0	1.2	.0	.0	.0	.6	.0 2.3
NNE	.0	1.7	.0	1.7	.0	.0	.0	1.2	.0	.6	.0	.0	.0	.0	.0 5.2
ENE	.0	1.2	.0	2.9	.0	.6	.0	.6	.0	.0	.0	.6	.0	1.2	.0 6.9
E	.0	1.2	.0	2.3	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0 4.6
ESE	.0	1.2	.0	4.6	.0	1.2	.0	2.3	.0	.6	.0	.6	.0	.0	.0 10.4
SE	.0	1.2	.0	2.3	.0	1.7	.0	.6	.0	.6	.0	.0	.0	.0	.0 6.4
SSE	.0	.6	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.7
S	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.7
SSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0 .6
SW	.0	1.2	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.7
WSW	.0	.6	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.7
W	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0 1.7
WNW	.0	.6	.0	1.7	.0	.6	.0	.0	.0	1.2	.0	1.2	.0	.6	.0 5.8
NW	.0	1.7	.0	1.2	.0	.6	.0	1.2	.0	2.3	.0	6.4	.0	5.2	.1 18.5
NNW	.0	.6	.0	2.3	.0	.6	.0	.6	.0	2.3	.0	5.2	.0	2.9	.1 14.5
CALM	.0	11.0													.0 11.0
TOTAL	.1	23.7	.1	27.2	.0	5.8	.0	8.1	.0	8.7	.1	15.6	.0	11.0	.4 100

CEILING-VISIBILITY WIND GRAPH

PIR PIERRE, SD

CLASS 6 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: PIR PIERRE, SD

CLASS 6 / DAY

NO. OBS.: 181

STATION NUMBER: 24025

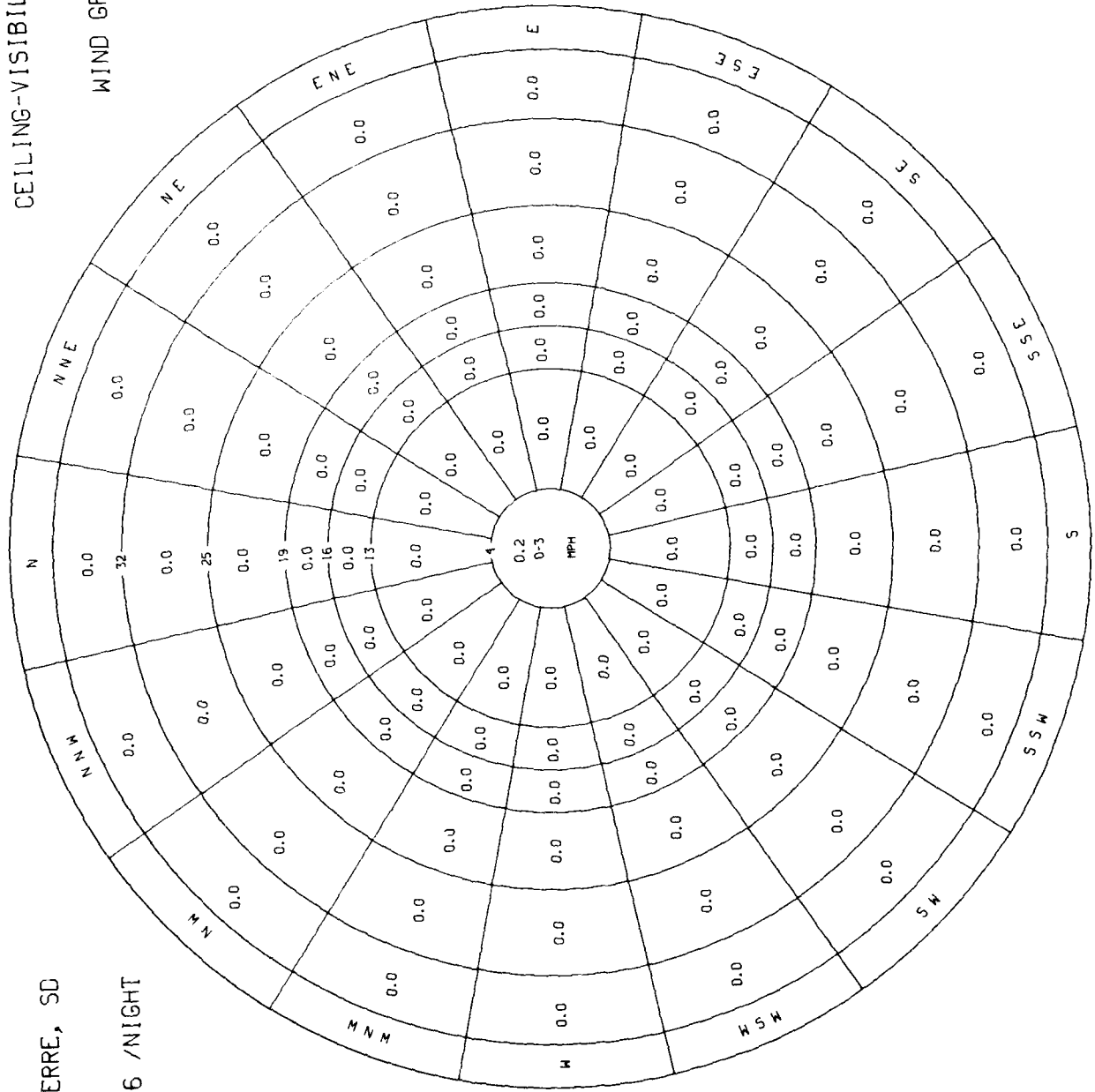
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.6	.0	1.7	.0	.6	.0	.0	.0	.6	.0	2.2	.0	2.2	.0 7.7 22.7
NNE	.0	.6	.0	.6	.0	.0	.0	.6	.0	.6	.0	1.7	.0	.0	.0 3.9 18.9
NE	.0	.6	.0	1.7	.0	.0	.0	.0	.0	.0	.0	1.1	.0	1.7	.0 5.0 22.7
ENE	.0	1.7	.0	1.7	.0	.0	.0	1.7	.0	1.7	.0	1.1	.0	.6	.0 8.3 15.6
E	.0	.0	.0	1.1	.0	.6	.0	1.7	.0	.6	.0	.0	.0	.0	.0 3.9 14.4
ESE	.0	.0	.0	5.0	.0	.6	.0	.6	.0	1.7	.0	.0	.0	.0	.0 7.7 12.2
SE	.0	.0	.0	1.7	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0 2.2 10.7
SSE	.0	.0	.0	1.7	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.2 8.0
S	.0	.0	.0	.6	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0 1.1 11.0
SSW	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .6 3.0
SW	.0	1.1	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.7 3.3
WSW	.0	.6	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.7 5.0
W	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0 1.1 23.0
WNW	.0	.0	.0	.6	.0	.0	.0	.6	.0	.0	.0	1.1	.0	2.2	.0 4.4 28.9
NW	.0	1.1	.0	.6	.0	.6	.0	.0	.0	1.7	.0	7.7	.0	11.0	.1 22.7 29.4
NNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	.0	6.6	.0	7.7	.1 16.6 32.6
CALM	.0	9.4													.0 9.4
TOTAL	.1	16.0	.1	18.8	.0	2.8	.0	6.1	.0	8.8	.1	21.5	.1	26.0	.4 100 20.7

CEILING-VISIBILITY

WIND GRAPH

PIR PIERRE, SD

CLASS 6 / NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PIR PIERRE, SD

PERIOD: 1948-1978

CLASS 6 / NIGHT

STATION NUMBER: 24025

NO. OBS.: 283

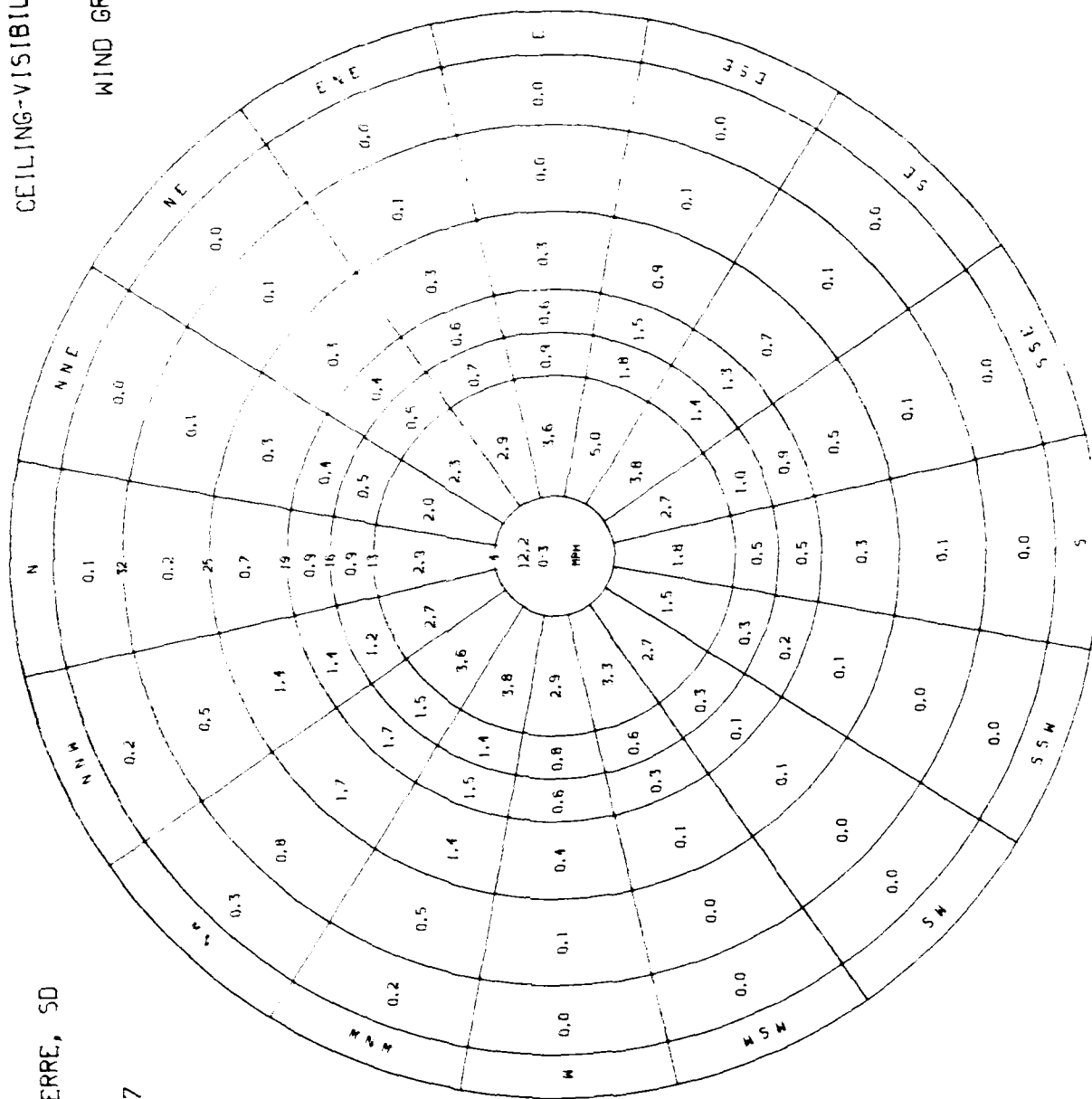
D I R	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.4	.0	1.1	.0	.4	.0	.0	.0	1.1	.0	.7	.0	1.8	.0	5.3	22.4
NNE	.0	1.4	.0	.7	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	2.5	7.3
NE	.0	1.4	.0	4.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.7	6.8
ENE	.0	.0	.0	2.5	.0	1.1	.0	.4	.0	.7	.0	.7	.0	.0	.0	5.3	14.5
E	.0	1.1	.0	4.9	.0	.7	.0	.0	.0	1.1	.0	.0	.0	.0	.1	7.8	9.4
ESE	.0	2.1	.0	4.9	.0	.7	.0	.7	.0	.7	.0	.4	.0	.4	.1	9.9	10.4
SE	.0	.4	.0	3.9	.0	.4	.0	1.1	.0	.4	.0	.0	.0	.0	.0	6.0	9.3
SSE	.0	1.1	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	6.1
S	.0	1.1	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	3.8
SSW	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	3.0
SW	.0	.7	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	4.5
WSW	.0	.7	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	4.6
W	.0	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	7.0
WNW	.0	.4	.0	2.5	.0	.4	.0	.0	.0	.7	.0	.7	.0	1.8	.0	6.4	20.6
NW	.0	.0	.0	1.1	.0	.4	.0	1.1	.0	1.1	.0	6.4	.0	6.0	.1	15.9	28.5
NNW	.0	.4	.0	2.8	.0	.0	.0	.0	.0	.4	.0	2.1	.0	6.4	.1	12.0	28.0
CALM	.1	13.4													.1	13.4	
TOTAL	.2	24.7	.2	34.6	.0	3.9	.0	3.2	.0	6.0	.1	11.3	.1	16.3	.7	100	14.6

CEILING-VISIBILITY

WIND GRAPH

PIR PIERRE, SD

CLASS 7

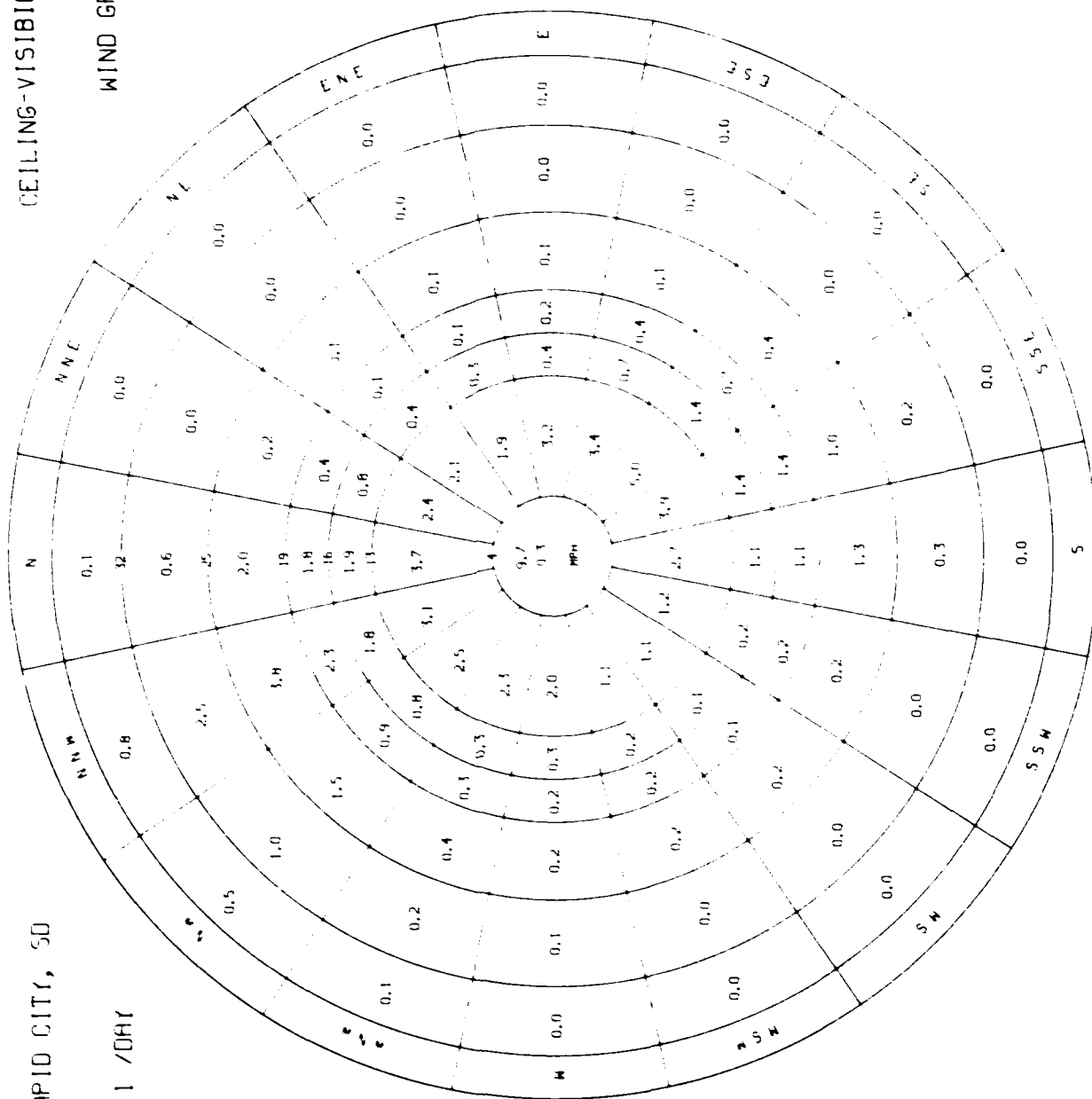


CEILING-VISIBILITY

WIND GRAPH

RAP RAPID CITY, SD

CLASS 1 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1951-1978

STATION NAME: RAP RAPID CITY, SD

CLASS 1 / DAY

NO. OBS.: 41515

STATION NUMBER: 24090

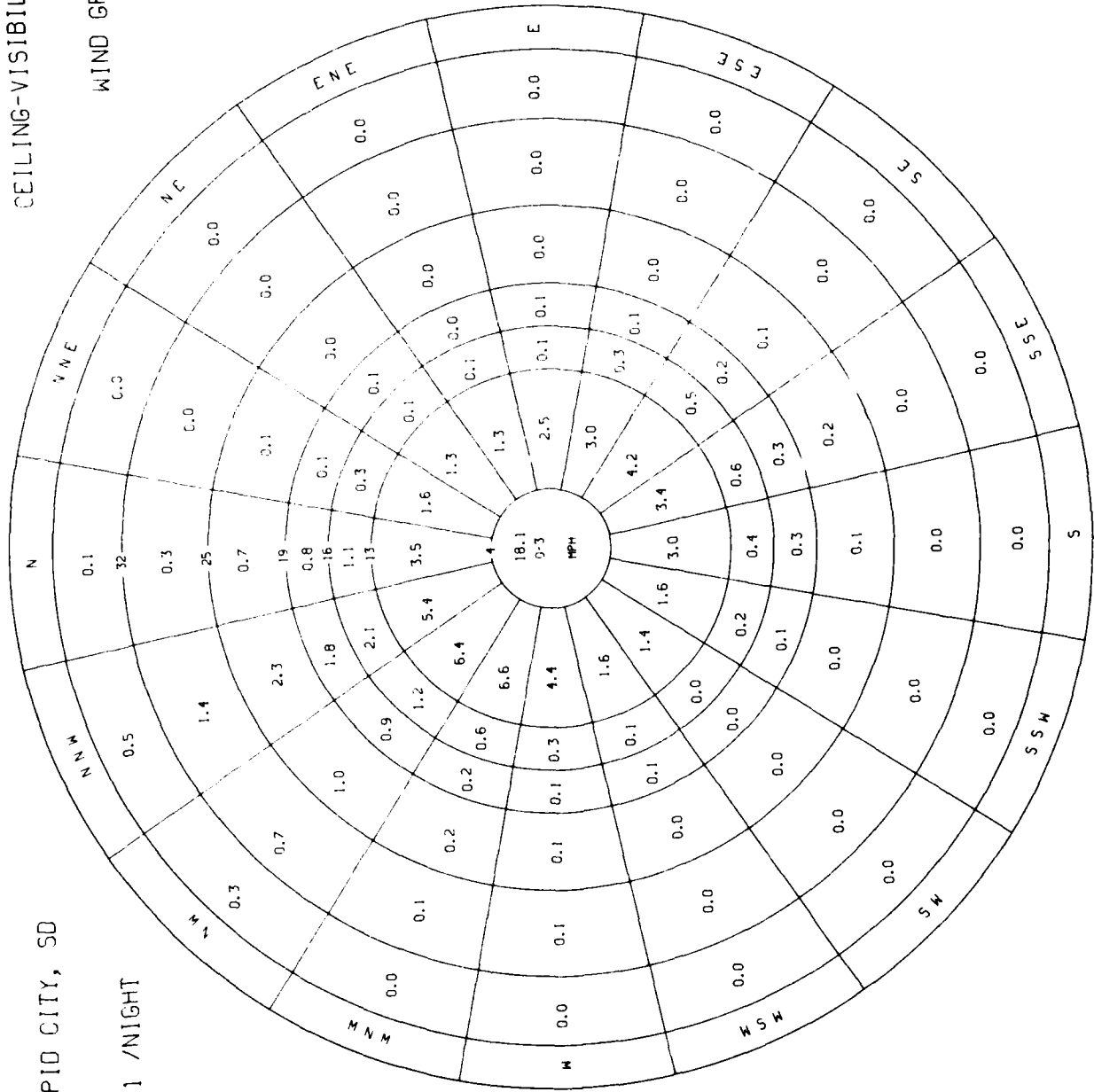
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.4	.4	3.7	4.1	1.9	2.1	1.8	2.0	2.0	2.2	.6	.7	.1	.1	10.6 11.5
NNE	.3	.4	2.4	2.7	.8	.9	.4	.5	.2	.3	.0	.0	.0	.0	4.3 4.7
NE	.5	.5	2.1	2.3	.4	.4	.1	.1	.1	.1	.0	.0	.0	.0	3.2 3.4
ENE	.4	.5	1.9	2.0	.3	.3	.1	.1	.1	.1	.0	.0	.0	.0	2.7 3.0
E	.7	.7	3.2	3.5	.4	.4	.2	.2	.1	.1	.0	.0	.0	.0	4.6 5.0
ESE	.5	.6	3.4	3.7	.7	.8	.4	.4	.1	.1	.0	.0	.0	.0	5.1 5.5
SE	.6	.7	5.0	5.4	1.4	1.5	.7	.8	.4	.4	.0	.0	.0	.0	8.2 8.9
SSE	.5	.5	3.9	4.3	1.4	1.5	1.4	1.5	1.0	1.1	.2	.2	.0	.0	8.4 9.1
S	.5	.5	2.7	2.9	1.1	1.2	1.1	1.2	1.3	1.4	.3	.3	.0	.0	6.9 7.5
SSW	.3	.3	1.2	1.4	.2	.3	.2	.2	.2	.2	.0	.0	.0	.0	2.2 2.4
SW	.5	.5	1.1	1.2	.1	.1	.1	.1	.2	.2	.0	.0	.0	.0	2.0 2.2
WSW	.3	.4	1.1	1.1	.2	.2	.2	.2	.2	.2	.0	.0	.0	.0	1.9 2.1
W	.5	.5	2.0	2.2	.3	.3	.2	.2	.2	.2	.1	.1	.0	.0	3.3 3.5
WNW	.4	.4	2.3	2.5	.3	.3	.3	.3	.4	.4	.2	.2	.1	.1	3.8 4.2
NW	.4	.5	2.5	2.7	.8	.9	.9	1.0	1.5	1.6	1.0	1.1	.5	.5	7.6 8.3
NNW	.3	.3	3.1	3.4	1.8	2.0	2.3	2.5	3.8	4.1	2.5	2.7	.8	.8	14.6 15.9
CALM	2.6	2.8													2.6 2.8
TOTAL	9.7	10.5	41.6	45.2	12.2	13.2	10.2	11.1	11.6	12.6	5.2	5.6	1.5	1.7	91.9 100

CEILING-VISIBILITY

WIND GRAPH

RAP RAPID CITY, SD

CLASS 1 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1951-1978

CLASS 1 / NIGHT

NO. OBS.: 33282

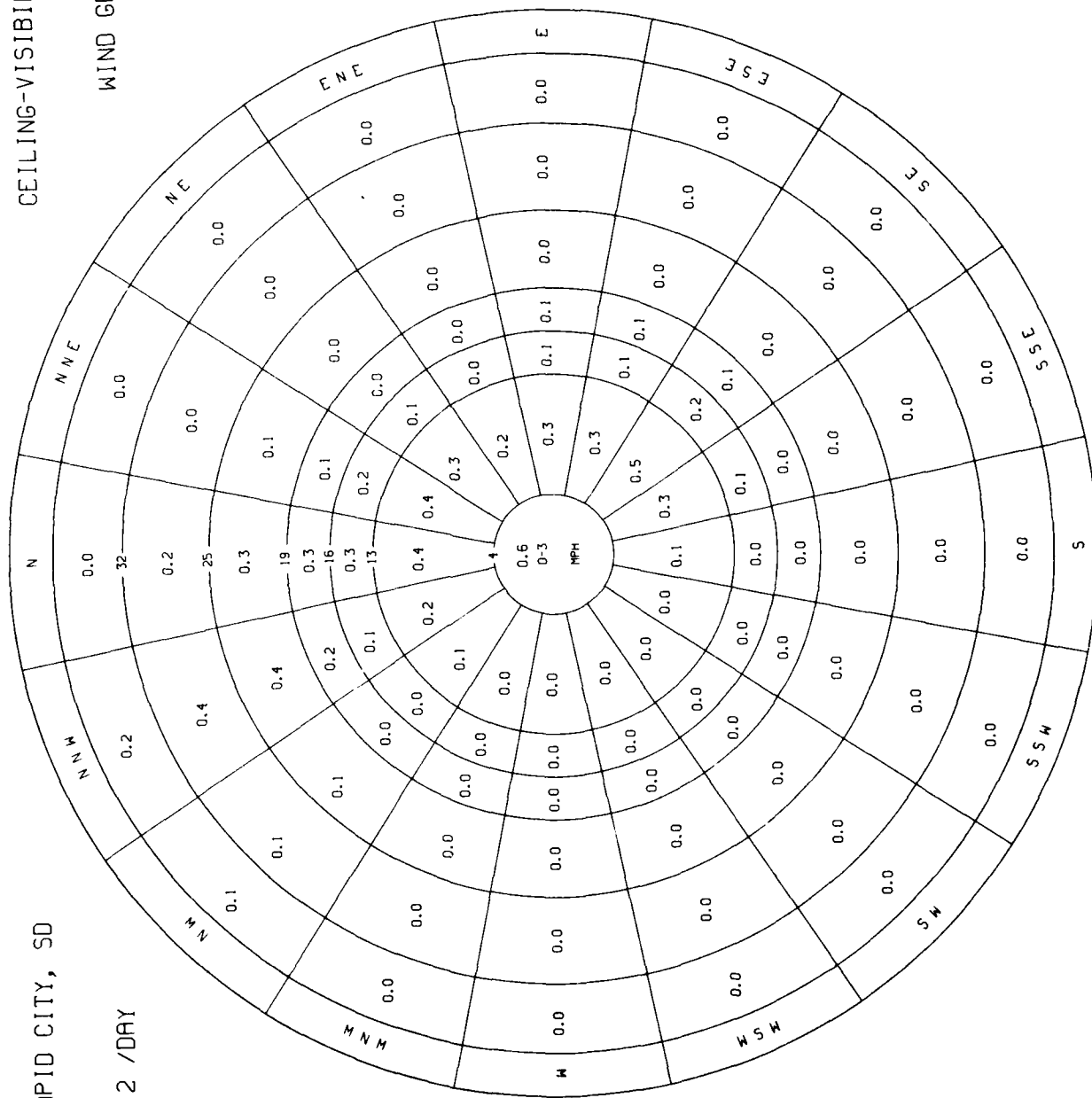
STATION NAME: RAP RAPID CITY, SD

STATION NUMBER: 24090

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.6	.6	3.5	3.9	1.1	1.2	.8	.9	.7	.8	.3	.3	.1	.1	7.1	7.8	12.2
NNE	.5	.5	1.6	1.7	.3	.3	.1	.2	.1	.1	.0	.0	.0	.0	2.5	2.8	8.6
NE	.5	.6	1.3	1.4	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	2.0	2.2	7.4
ENE	.6	.6	1.3	1.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.0	2.2	6.6
E	1.0	1.1	2.5	2.7	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	3.7	4.1	6.5
ESE	.8	.9	3.0	3.3	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	4.3	4.7	7.5
SE	.8	.9	4.2	4.6	.5	.5	.2	.2	.1	.1	.0	.0	.0	.0	5.8	6.3	8.1
SSE	.6	.6	3.4	3.7	.6	.7	.3	.3	.2	.2	.0	.0	.0	.0	5.1	5.6	9.0
S	.7	.8	3.0	3.3	.4	.4	.3	.3	.1	.1	.0	.0	.0	.0	4.5	5.0	8.5
SSW	.5	.6	1.6	1.7	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.3	2.6	7.1
SW	.7	.7	1.4	1.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.2	2.4	6.2
WSW	.6	.7	1.6	1.7	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	2.4	2.7	7.0
W	1.2	1.3	4.4	4.8	.3	.3	.1	.1	.1	.2	.1	.1	.0	.0	6.2	6.8	7.5
WNW	1.0	1.1	6.6	7.3	.6	.6	.2	.3	.2	.2	.1	.1	.0	.0	8.8	9.7	8.5
NW	.8	.9	6.4	7.1	1.2	1.3	.9	1.0	1.0	1.1	.7	.7	.3	.3	11.3	12.4	12.0
NNW	.5	.5	5.4	6.0	2.1	2.3	1.8	2.0	2.3	2.5	1.4	1.5	.5	.5	14.0	15.4	15.3
CALM	6.8	7.5													6.8	7.5	
TOTAL	18.1	19.9	51.2	56.3	8.0	8.8	5.2	5.7	5.0	5.5	2.5	2.8	.8	.9	90.9	100	9.2

CEILING-VISIBILITY

WIND GRAPH



RAP RAPID CITY, SD

CLASS 2 /DAY

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: RAP RAPID CITY, SD

PERIOD: 1951-1978

CLASS 2 / DAY

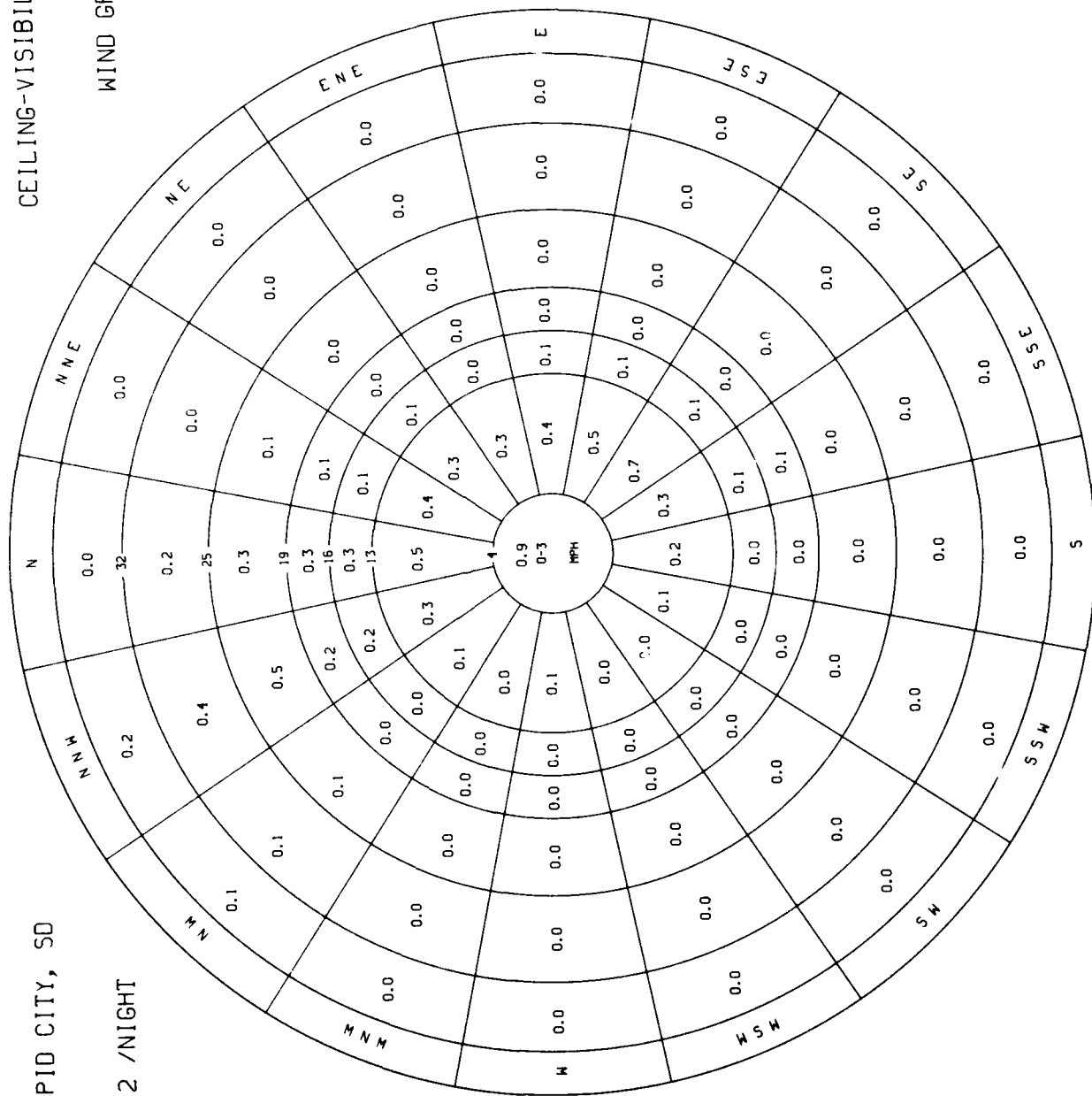
STATION NUMBER: 24090

NO. OBS.: 3663

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.0	.4	.4	5.2	.3	3.4	.3	3.5	.3	4.2	.2	2.0	.0	.5	1.6	19.1	16.7
NNE	.0	.4	.4	4.4	.2	1.9	.1	1.4	.1	1.0	.0	.2	.0	.1	.8	9.3	12.6
NF	.0	.4	.3	3.7	.1	1.1	.0	.5	.0	.3	.0	.1	.0	.0	.5	6.1	10.7
ENE	.0	.4	.2	2.8	.0	.6	.0	.2	.0	.1	.0	.0	.0	.0	.3	4.2	9.7
E	.1	.6	.3	4.0	.1	1.1	.1	.7	.0	.4	.0	.1	.0	.0	.6	6.8	10.2
ESE	.0	.4	.3	4.3	.1	1.5	.1	.8	.0	.4	.0	.1	.0	.0	.6	7.4	11.2
SE	.0	.3	.5	5.6	.2	2.1	.1	.8	.0	.4	.0	.1	.0	.0	.7	9.2	10.8
SSE	.0	.4	.3	3.7	.1	.9	.0	.6	.0	.4	.0	.0	.0	.0	.5	6.0	10.6
S	.0	.4	.1	1.2	.0	.6	.0	.2	.0	.2	.0	.1	.0	.0	.2	2.7	10.9
SSW	.0	.3	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.9	6.3
SW	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	3.9
WSW	.0	.2	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	6.3
W	.0	.2	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.6	6.8
WNW	.0	.2	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.0	.1	.1	.6	14.1
NW	.0	.2	.1	.9	.0	.2	.0	.3	.1	.8	.1	.8	.1	.9	.3	4.1	22.0
NNW	.0	.1	.2	2.6	.1	1.8	.2	2.5	.4	5.5	.4	4.5	.2	3.1	1.6	20.1	22.4
CALM	.1	1.7													.1	1.7	
TOTAL	.6	7.2	3.2	39.9	1.2	15.2	.9	11.7	1.1	13.6	.6	7.9	.4	4.7	8.1	100	14.5

CEILING-VISIBILITY

WIND GRAPH



RAP RAPID CITY, SD

CLASS 2 /NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: RAP RAPID CITY, SD

PERIOD: 1951-1978

CLASS 2 / NIGHT

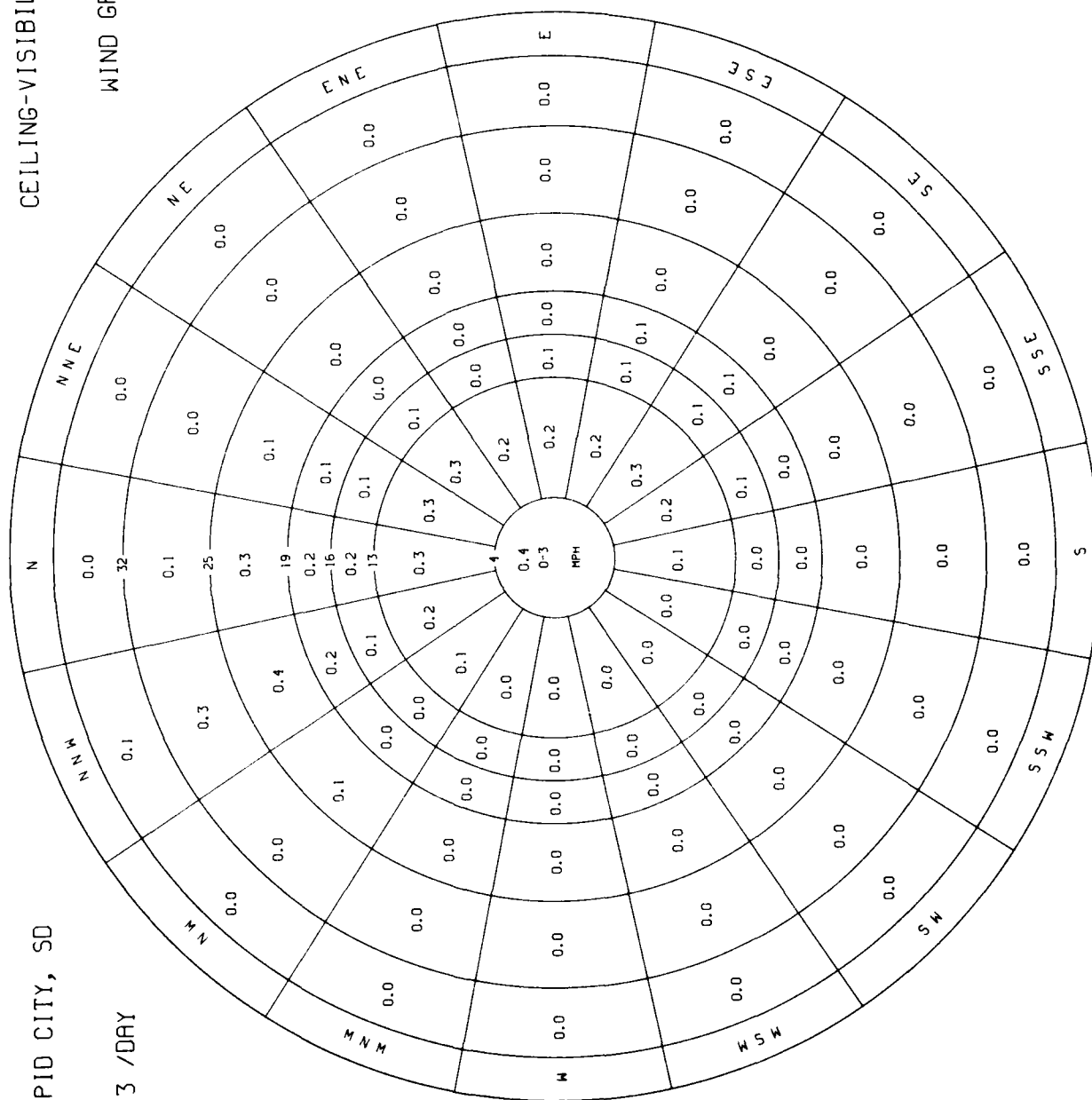
STATION NUMBER: 24090

NO. OBS.: 3327

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.0	.3	.5	5.4	.3	3.0	.3	3.4	.3	3.4	.2	1.7	.0	.5	1.6	17.6	16.1
NNE	.0	.4	.4	4.2	.1	1.5	.1	1.1	.1	.6	.0	.2	.0	.1	.7	8.2	12.2
NE	.0	.4	.3	3.2	.1	1.1	.0	.4	.0	.2	.0	.1	.0	.0	.5	5.3	10.8
ENE	.0	.5	.3	2.9	.0	.5	.0	.2	.0	.1	.0	.0	.0	.0	.4	4.3	9.0
E	.1	.7	.4	4.3	.1	.8	.0	.3	.0	.3	.0	.0	.0	.0	.6	6.3	9.0
ESE	.1	.7	.5	5.2	.1	1.3	.0	.5	.0	.4	.0	.0	.0	.0	.7	8.1	10.1
SE	.1	.6	.7	7.2	.1	1.3	.0	.5	.0	.1	.0	.0	.0	.0	.9	9.7	9.3
SSE	.0	.4	.3	3.1	.1	1.0	.1	.7	.0	.4	.0	.0	.0	.0	.5	5.5	11.1
S	.0	.4	.2	1.7	.0	.2	.0	.1	.0	.1	.0	.1	.0	.0	.2	2.6	9.1
SSW	.0	.3	.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.9	5.5
SW	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	4.5
WSW	.0	.1	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	5.5
W	.0	.2	.1	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.0	6.4
WNW	.0	.2	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.7	10.4
NW	.0	.2	.1	1.0	.0	.5	.0	.3	.1	.9	.1	1.1	.1	1.0	.4	4.8	22.5
NNW	.0	.4	.3	3.3	.2	1.9	.2	2.6	.5	5.4	.4	4.1	.2	2.7	1.8	20.3	21.0
CALM	.4	4.0													.4	4.0	
TOTAL	.9	9.9	4.0	43.6	1.2	13.1	.9	10.0	1.1	11.8	.7	7.4	.4	4.2	9.1	100	13.5

WIND GRAPH

CLASS 3 / DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1951-1978

STATION NAME: RAP RAPID CITY, SD

CLASS 3 / DAY

NO. OBS.: 2732

STATION NUMBER: 24090

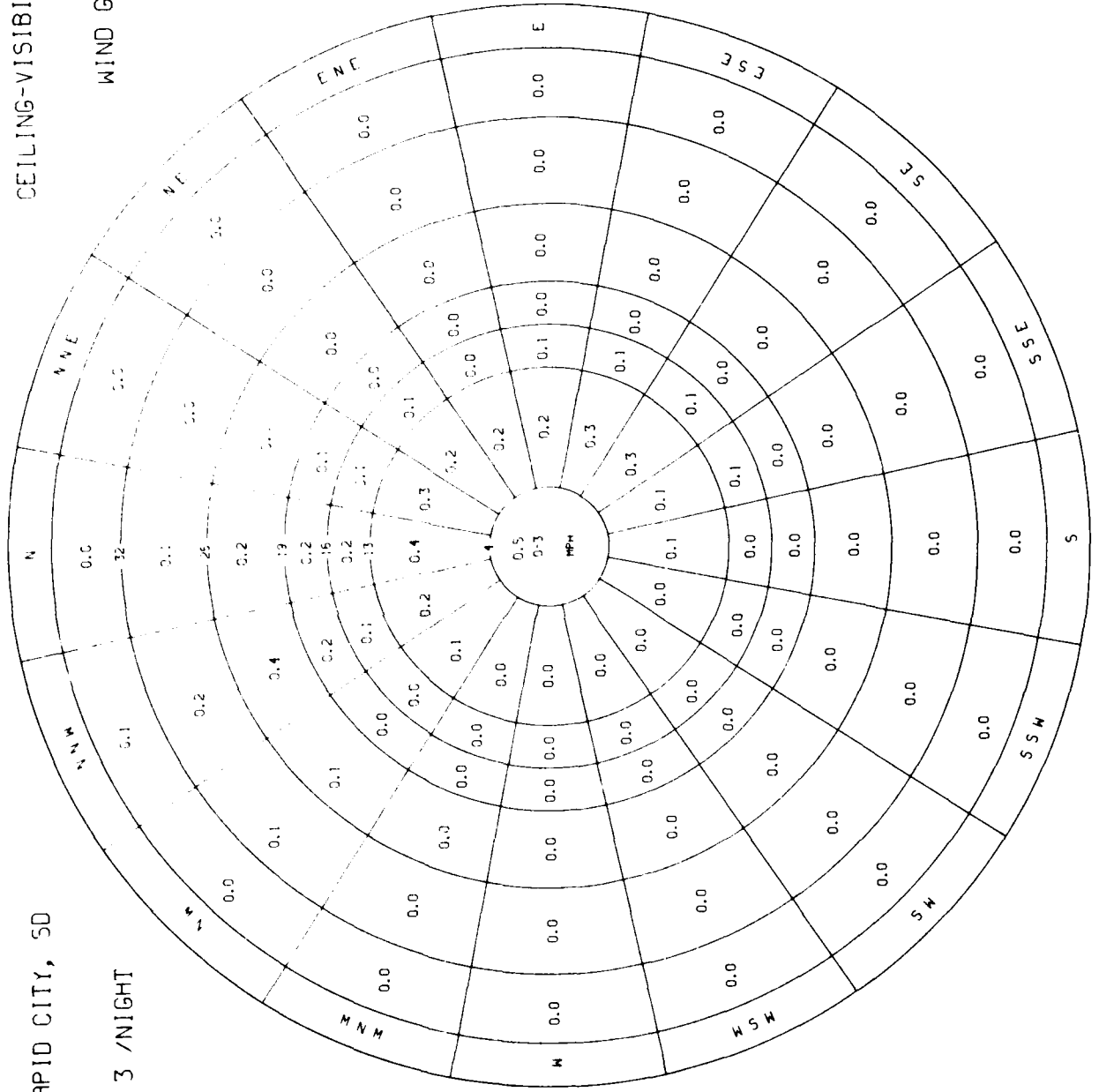
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
															C		D
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.0	.3	.3	5.2	.2	3.8	.2	4.0	.3	4.6	.1	1.6	.0	.3	1.2	19.9	16.4
NNE	.0	.4	.3	4.9	.1	2.2	.1	1.5	.1	1.1	.0	.2	.0	.0	.6	10.3	12.7
NE	.0	.4	.3	4.1	.1	1.1	.0	.3	.0	.3	.0	.0	.0	.0	.4	6.3	10.3
ENE	.0	.4	.2	2.9	.0	.6	.0	.2	.0	.1	.0	.0	.0	.0	.3	4.2	9.7
E	.0	.6	.2	3.8	.1	1.1	.0	.7	.0	.4	.0	.1	.0	.0	.4	6.6	10.5
ESE	.0	.4	.2	4.1	.1	1.3	.1	.9	.0	.3	.0	.1	.0	.0	.4	7.0	11.1
SE	.0	.3	.3	4.6	.1	2.1	.1	.8	.0	.2	.0	.1	.0	.0	.5	8.2	11.1
SSE	.0	.4	.2	3.9	.1	1.0	.0	.7	.0	.5	.0	.0	.0	.0	.4	6.6	11.0
S	.0	.3	.1	1.0	.0	.7	.0	.3	.0	.3	.0	.1	.0	.0	.2	2.7	12.0
SSW	.0	.4	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.9	6.4
SW	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	4.0
WSW	.0	.2	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	4.9
W	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	7.3
WNW	.0	.1	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.5	11.0
NW	.0	.2	.1	1.1	.0	.3	.0	.3	.1	1.0	.0	.6	.0	.4	.2	3.9	18.9
NNW	.0	.1	.2	2.7	.1	2.0	.2	3.1	.4	5.9	.3	4.4	.1	1.5	1.2	19.9	20.8
CALM	.1	1.3													.1	1.3	
TOTAL	.4	6.4	2.4	39.7	1.0	16.4	.8	13.1	.9	14.8	.4	7.2	.1	2.4	6.0	100	14.1

CEILING-VISIBILITY

WIND GRAPH

RAP RAPID CITY, SD

CLASS 3 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1951-1978

STATION NAME: RAP RAPID CITY, SD

CLASS 3 / NIGHT

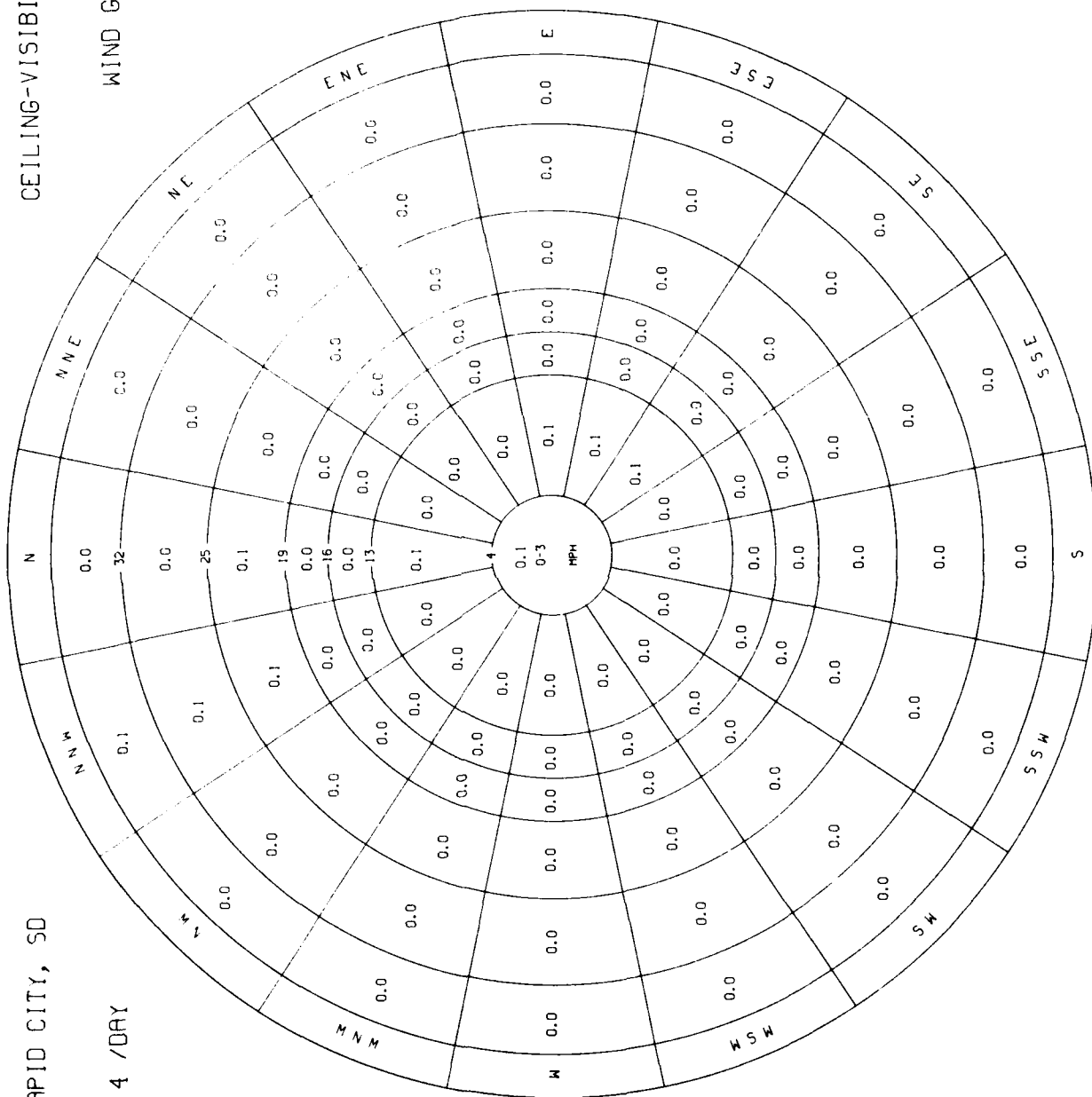
NO. OBS.: 2182

STATION NUMBER: 24090

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.3	.4	6.1	.2	3.7	.2	4.0	.2	3.6	.1	1.6	.0	.3	1.2 19.6
NNE	.0	.5	.3	4.6	.1	1.6	.1	1.3	.0	.6	.0	.2	.0	.0	.5 8.9
NE	.0	.2	.2	3.6	.1	1.1	.0	.3	.0	.1	.0	.0	.0	.0	.3 5.3
ENE	.0	.6	.2	3.3	.0	.6	.0	.3	.0	.0	.0	.0	.0	.0	.3 5.0
E	.0	.5	.2	4.1	.1	.9	.0	.3	.0	.4	.0	.0	.0	.0	.4 6.2
ESE	.0	.4	.3	4.5	.1	1.1	.0	.5	.0	.3	.0	.0	.0	.0	.4 6.8
SE	.0	.6	.3	5.8	.1	1.4	.0	.5	.0	.1	.0	.0	.0	.0	.5 8.4
SSE	.0	.2	.1	2.5	.1	1.1	.0	.8	.0	.4	.0	.0	.0	.0	.3 5.0
S	.0	.2	.1	1.5	.0	.2	.0	.1	.0	.2	.0	.1	.0	.0	.1 2.4
SSW	.0	.2	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .8
SW	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .4
WSW	.0	.1	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .4
W	.0	.1	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 .9
WNW	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .6
NW	.0	.2	.1	1.1	.0	.6	.0	.4	.1	1.1	.1	.9	.0	.3	.3 4.7
NNW	.0	.5	.2	3.8	.1	2.4	.2	3.3	.4	6.5	.2	3.3	.1	2.0	1.3 21.6
CALM	.2	3.1													.2 3.1
TOTAL	.5	7.9	2.6	42.9	.9	14.7	.7	12.0	.8	13.5	.4	6.4	.2	2.7	6.0 100

CEILING-VISIBILITY

WIND GRAPH



RAP RAPID CITY, SD

CLASS 4 /DAY

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1951-1978

STATION NAME: RAP RAPID CITY, SD

CLASS 4 / DAY

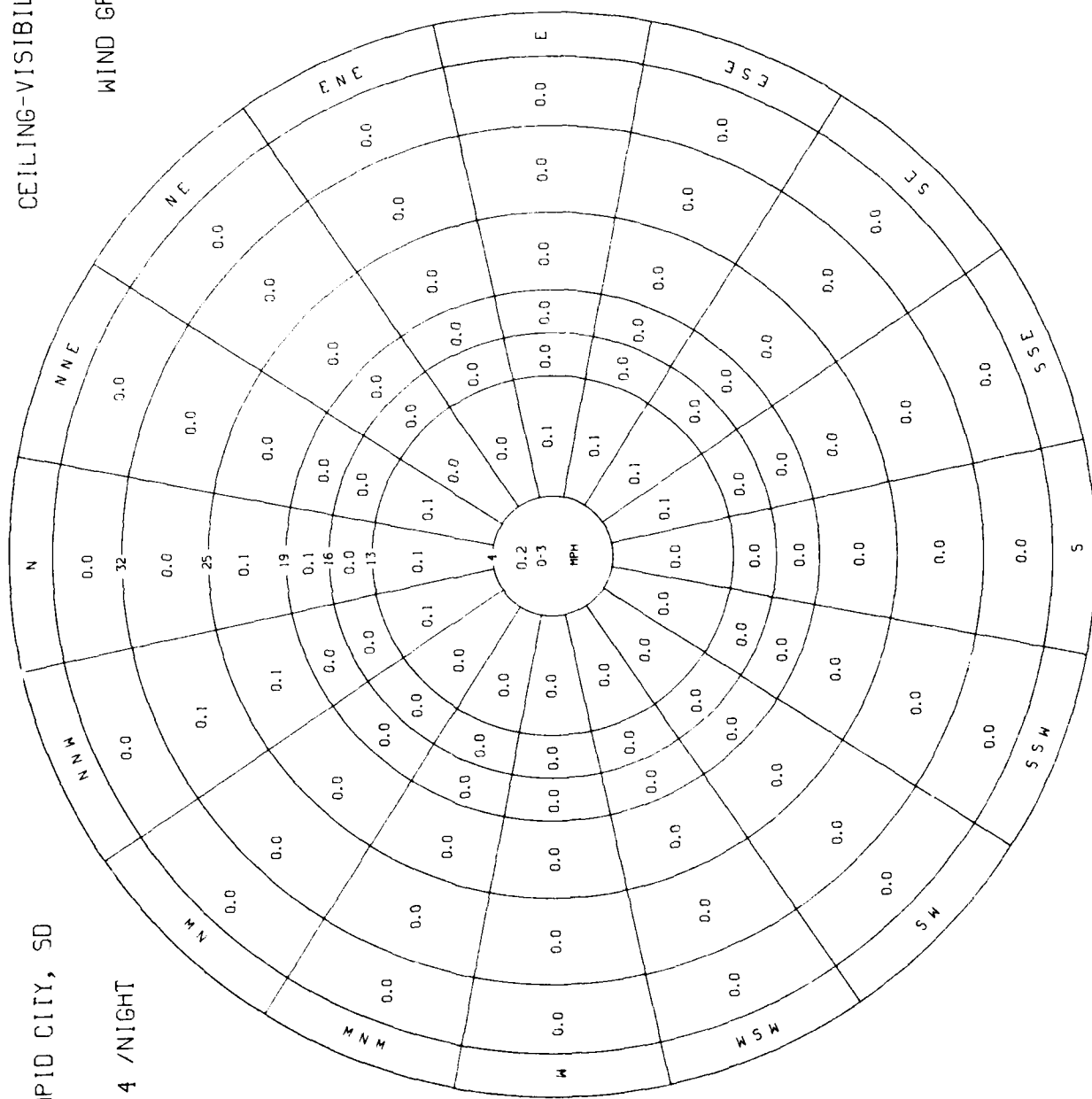
NO. OBS.: 550

STATION NUMBER: 24090

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.4	.1	6.7	.0	2.5	.0	2.5	.1	4.5	.0	2.5	.0	.4	.2 19.6
NNE	.0	.2	.0	2.7	.0	.9	.0	1.3	.0	.7	.0	.0	.0	.0	.1 5.8
NE	.0	.7	.0	2.4	.0	1.5	.0	1.1	.0	.2	.0	.0	.0	.0	.1 5.8
ENE	.0	.2	.0	3.5	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.1 4.7
E	.0	.4	.1	5.8	.0	1.5	.0	.7	.0	.4	.0	.0	.0	.0	.1 8.7
ESE	.0	.4	.1	4.5	.0	2.5	.0	.9	.0	.9	.0	.4	.0	.0	.1 9.6
SE	.0	.4	.1	8.4	.0	1.8	.0	.2	.0	1.1	.0	.2	.0	.0	.1 12.0
SSE	.0	.0	.0	2.5	.0	.4	.0	.2	.0	.4	.0	.0	.0	.0	.0 3.5
S	.0	.2	.0	2.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.4
SSW	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .7
SW	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .2
WSW	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .5
W	.0	.4	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .9
WNW	.0	.2	.0	.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0 .7
NW	.0	.2	.0	.5	.0	.0	.0	.2	.0	.4	.0	1.3	.0	.5	.0 3.1
NNW	.0	.2	.0	2.5	.0	1.1	.0	1.5	.1	6.4	.1	4.4	.1	4.2	.2 20.2
CALM	.0	1.5													.0 1.5
TOTAL	.1	5.3	.5	43.8	.2	13.1	.1	9.1	.2	14.9	.1	8.7	.1	5.1	1.2 100
															14.7

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1951-1978

STATION NAME: RAP RAPID CITY, SD

CLASS 4 / NIGHT

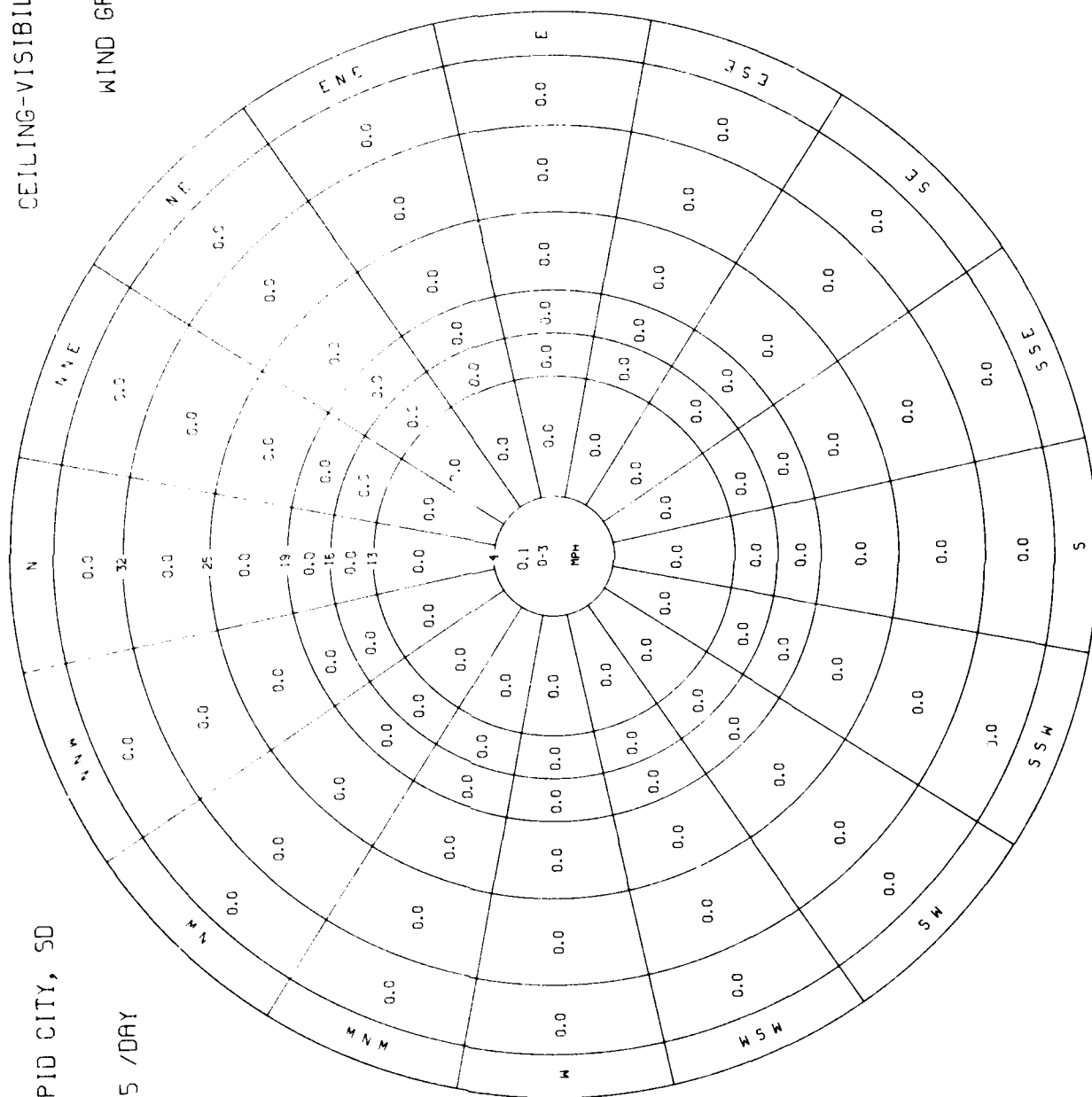
NO. OBS.: 620

STATION NUMBER: 24090

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.2	.1	5.0	.0	2.4	.1	3.5	.1	4.5	.0	2.3	.0	.6	.3 18.5
NNE	.0	.2	.1	4.4	.0	1.9	.0	1.3	.0	.8	.0	.3	.0	.2	.2 9.0
NNE	.0	.3	.0	2.7	.0	1.6	.0	1.0	.0	.2	.0	.0	.0	.0	.1 5.8
ENE	.0	.3	.0	2.9	.0	.2	.0	.2	.0	.2	.0	.0	.0	.0	.1 3.7
E	.0	1.0	.1	4.0	.0	.8	.0	.2	.0	.2	.0	.0	.0	.0	.1 6.1
ESE	.0	.6	.1	6.5	.0	1.8	.0	.6	.0	.8	.0	.0	.0	.0	.2 10.3
SE	.0	.3	.1	7.6	.0	1.1	.0	.3	.0	.2	.0	.0	.0	.0	.2 9.5
SSE	.0	.6	.1	3.2	.0	.8	.0	.2	.0	.0	.0	.0	.0	.0	.1 5.2
S	.0	.5	.0	2.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.7
SSW	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.0
SW	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .5
WSW	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .3
W	.0	.3	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.0
WNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .0
NW	.0	.2	.0	.8	.0	.2	.0	.0	.0	.6	.0	1.6	.0	.8	.1 4.2
NNW	.0	.3	.1	3.1	.0	1.5	.0	1.0	.1	3.9	.1	6.0	.0	1.8	.3 18.2
CALM	.1	3.9													.1 3.9
TOT FL	.2	9.5	.7	43.9	.2	12.4	.2	9.0	.2	11.6	.2	10.2	.1	3.4	1.7 100

RAP RAPID CITY, SD

CLASS 5 / DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1951-1978

STATION NAME: RAP RAPID CITY, SD

CLASS 5 / DAY

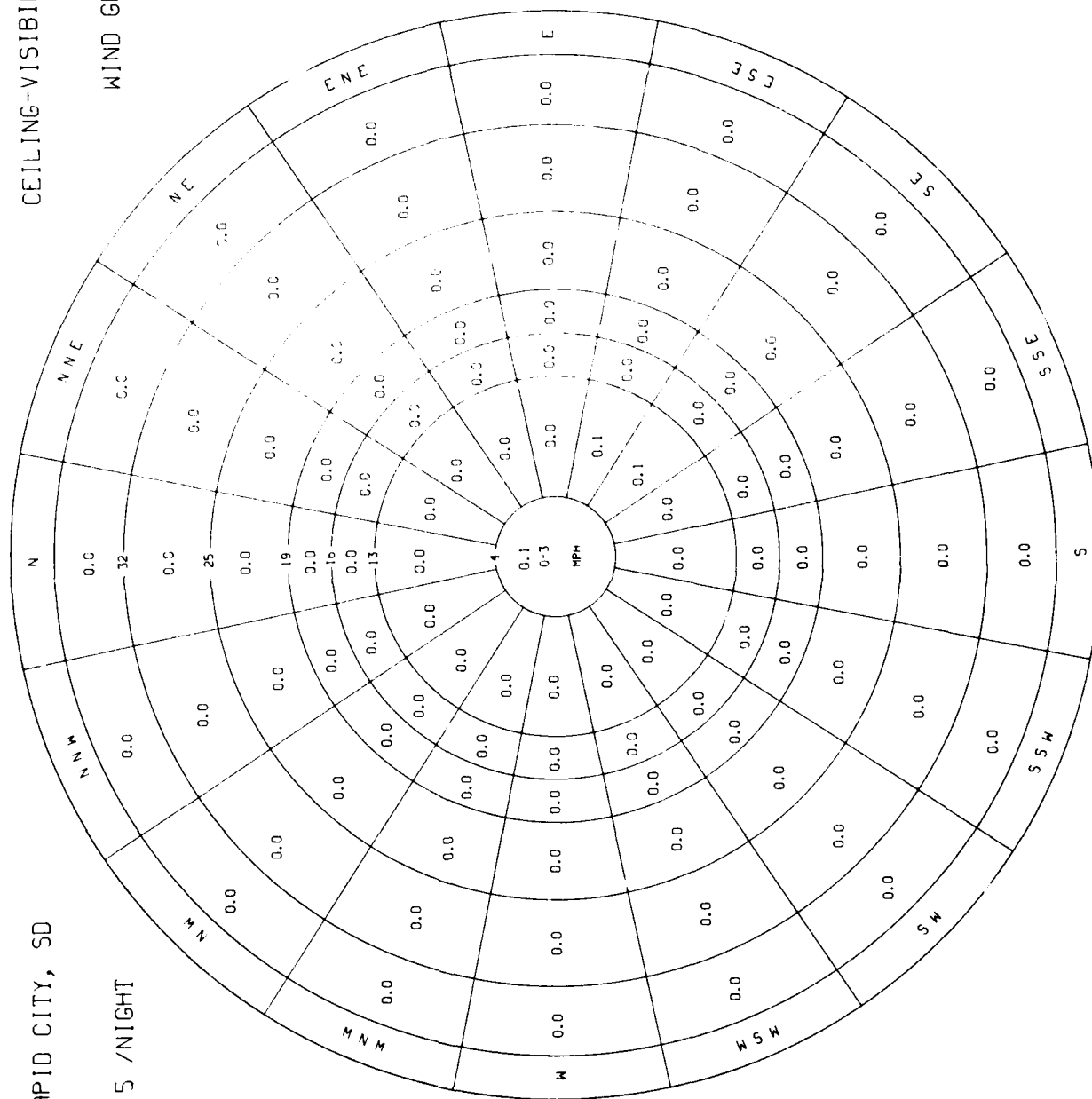
NO. OBS.: 184

STATION NUMBER: 24090

DIR	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
																C	D
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D
N	.0	.5	.0	3.8	.0	1.6	.0	2.2	.0	1.6	.0	4.9	.0	1.6	.1	16.3	20.0
NNE	.0	.0	.0	4.3	.0	1.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	6.5	10.5
NNE	.0	.0	.0	3.3	.0	.0	.0	.5	.0	.0	.0	1.1	.0	.0	.0	4.9	12.1
ENE	.0	1.6	.0	1.6	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	3.8	8.3
E	.0	2.2	.0	3.3	.0	.5	.0	1.6	.0	.5	.0	.0	.0	.0	.0	8.2	9.3
ESE	.0	.5	.0	5.4	.0	1.6	.0	.0	.0	.5	.0	.0	.0	.0	.0	8.2	9.6
SE	.0	.0	.0	7.1	.0	1.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	9.2	9.3
SSE	.0	.5	.0	4.9	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.5	8.9
S	.0	1.1	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	4.0
SSW	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	6.0
SW	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	3.0
WSW	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	23.5
WNW	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.2	26.6
NW	.0	1.1	.0	.5	.0	.5	.0	.0	.0	.5	.0	1.6	.0	3.8	.0	19.0	25.3
NNW	.0	.0	.0	3.3	.0	1.6	.0	.0	.0	1.6	.0	6.0	.0	6.5	.0	4.3	
CALM	.0	4.3															
TOTAL	.1	13.6	.2	39.1	.0	9.2	.0	6.5	.0	5.4	.1	13.6	.1	12.5	.4	100	15.3

RAP RAPID CITY, SD

CLASS 5 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1951-1978

STATION NAME: RAP RAPID CITY, SD

CLASS 5 / NIGHT

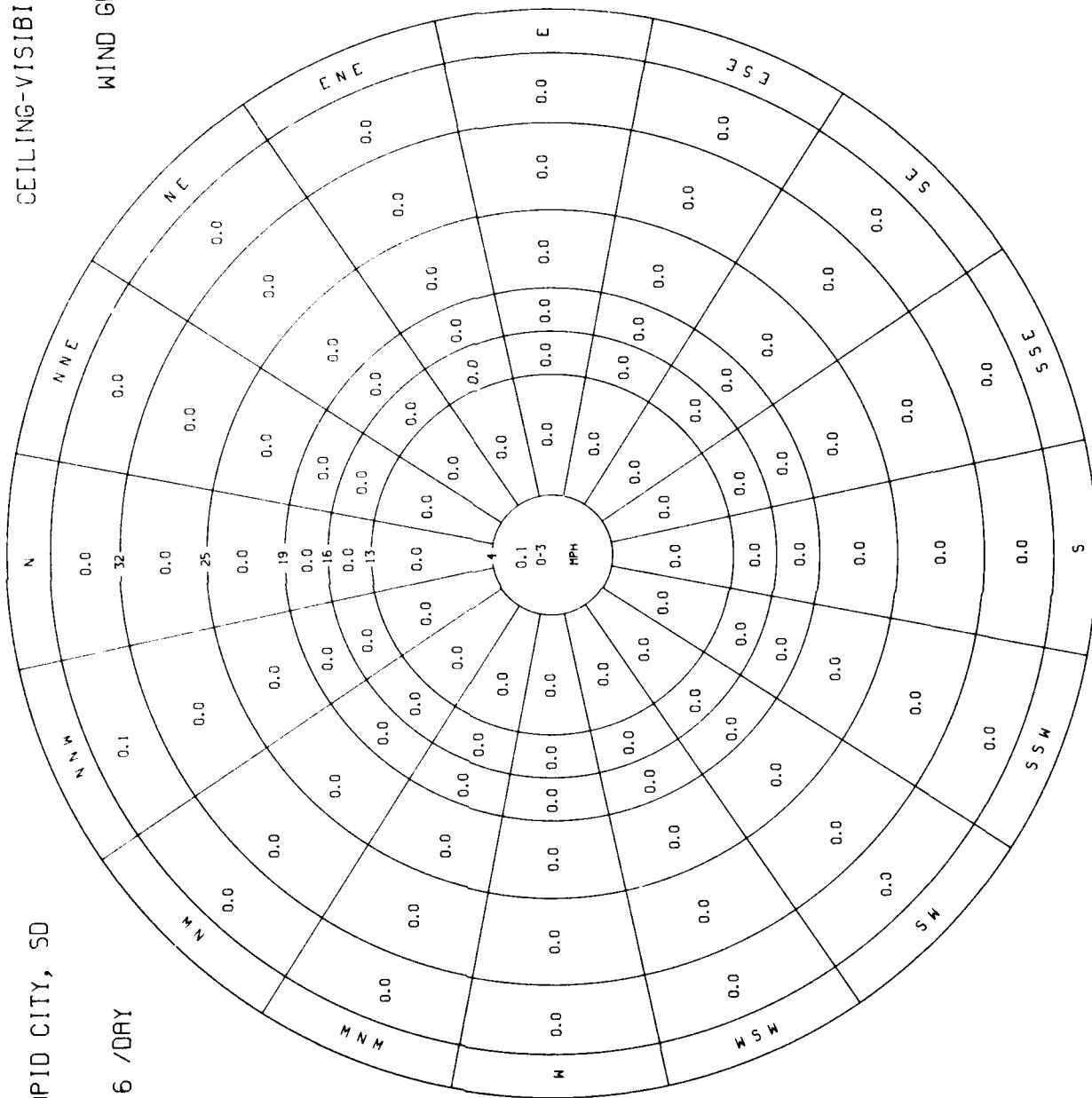
NO. OBS.: 253

STATION NUMBER: 24090

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	1.2	.0	2.0	.0	1.2	.0	.8	.0	2.4	.0	2.4	.0	1.2	.1 11.1
NNE	.0	.8	.0	2.0	.0	1.2	.0	.0	.0	.4	.0	.0	.0	.4	.0 4.7
NNE	.0	.4	.0	2.4	.0	.8	.0	.0	.0	.4	.0	.4	.0	.0	.0 4.3
ENE	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.6
E	.0	.8	.0	4.3	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0 5.9
ESE	.0	1.6	.1	8.3	.0	1.6	.0	1.2	.0	.8	.0	.0	.0	.0	.1 13.4
SE	.0	1.2	.1	11.1	.0	1.6	.0	.4	.0	.0	.0	.0	.0	.0	.1 14.2
SSE	.0	.8	.0	4.3	.0	1.2	.0	.4	.0	.0	.0	.0	.0	.0	.0 6.7
S	.0	2.0	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.7
SSW	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.0
WSW	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.6
W	.0	.4	.0	1.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.6
WNW	.0	1.2	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.5
NW	.0	.0	.0	.8	.0	.0	.0	.0	.0	.8	.0	2.0	.0	2.4	.0 5.9
NNW	.0	.0	.0	2.4	.0	.0	.0	.8	.0	4.0	.0	7.1	.0	4.0	.1 18.2
CALM	.0	5.1													.0 5.1
TOTAL	.1	15.4	.3	43.9	.1	8.3	.0	4.0	.1	8.7	.1	11.9	.1	7.9	.7 100

CEILING-VISIBILITY

WIND GRAPH



RAP RAPID CITY, SD

CLASS 6 /DAY

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1951-1978

STATION NAME: RAP RAPID CITY, SD

CLASS 6 / DAY

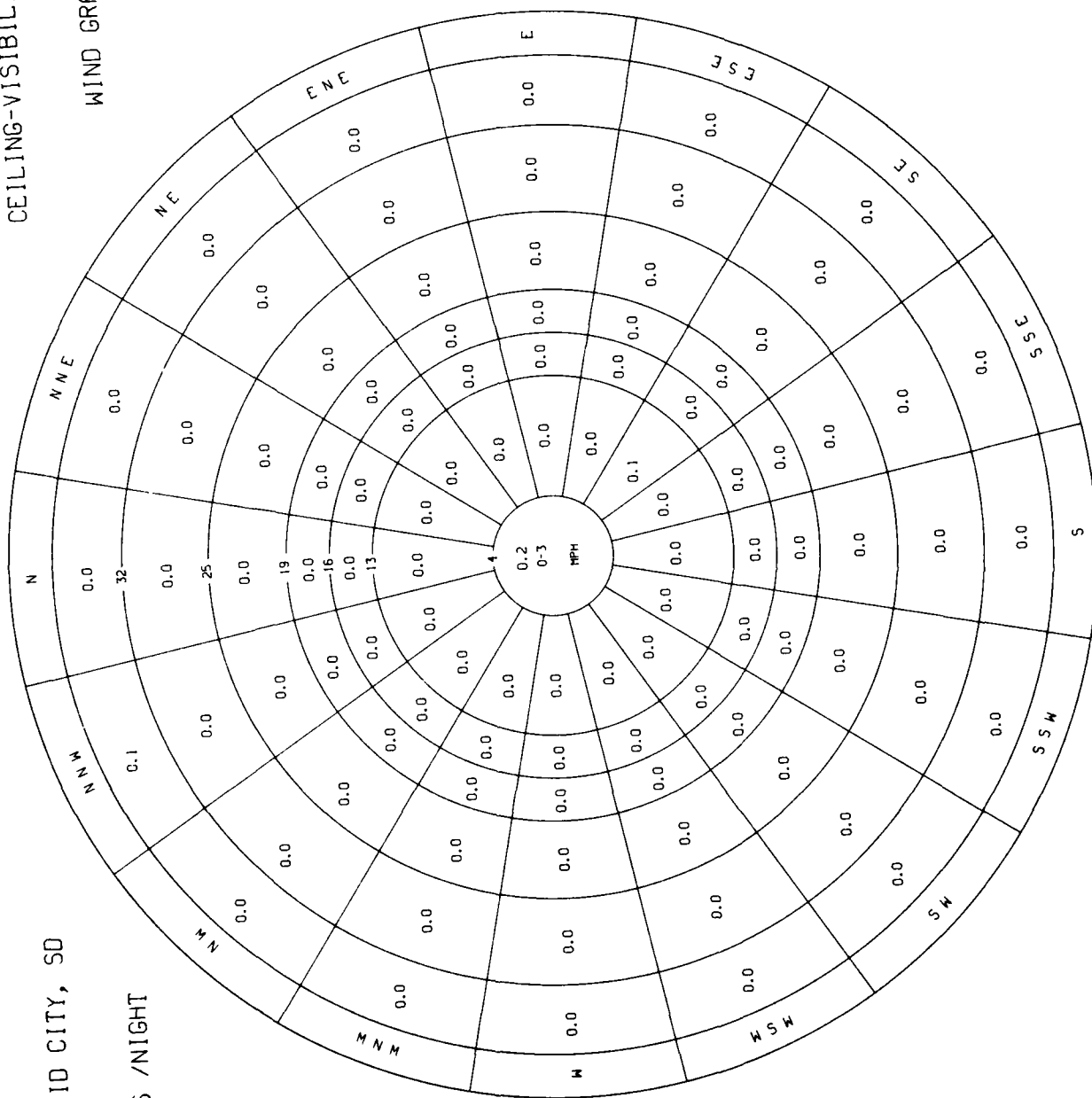
NO. OBS.: 197

STATION NUMBER: 24090

D I R	SPEED GROUPS (MPH)																		AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL				
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D			
N	.0	1.0	.0	2.0	.0	1.5	.0	.0	.0	.5	.0	2.5	.0	2.5	.0	10.2	21.5		
NNE	.0	1.0	.0	3.0	.0	.5	.0	1.0	.0	.0	.0	.5	.0	.5	.0	6.6	12.3		
NNE	.0	.5	.0	1.5	.0	1.0	.0	.5	.0	.0	.0	.5	.0	.0	.0	4.1	13.4		
ENE	.0	.0	.0	1.5	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	9.8		
E	.0	.5	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	6.0		
ESE	.0	.0	.0	5.1	.0	1.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	6.6	9.7		
SE	.0	1.0	.0	10.2	.0	3.0	.0	1.5	.0	.5	.0	.0	.0	.0	.1	16.2	10.5		
SSE	.0	1.5	.0	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.1	5.8		
S	.0	2.5	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6	5.2		
SSW	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	5.0		
SW	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	3.0		
WSW	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	1.5	12.0		
W	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	5.0		
WNW	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	31.3		
NW	.0	.0	.0	.0	.0	.0	.5	.0	.5	.0	.0	.5	.0	5.6	.0	7.1	40.0		
NNW	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.5	.0	4.6	.1	17.8	23.4	35.8		
CALM	.0	6.1													.0	6.1			
TOTAL	.1	16.2	.1	32.5	.0	9.1	.0	4.1	.0	1.5	.0	9.1	.1	27.4	.4	100	18.8		

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1951-1978

STATION NAME: RAP RAPID CITY, SD

CLASS 6 / NIGHT

NO. OBS.: 272

STATION NUMBER: 24090

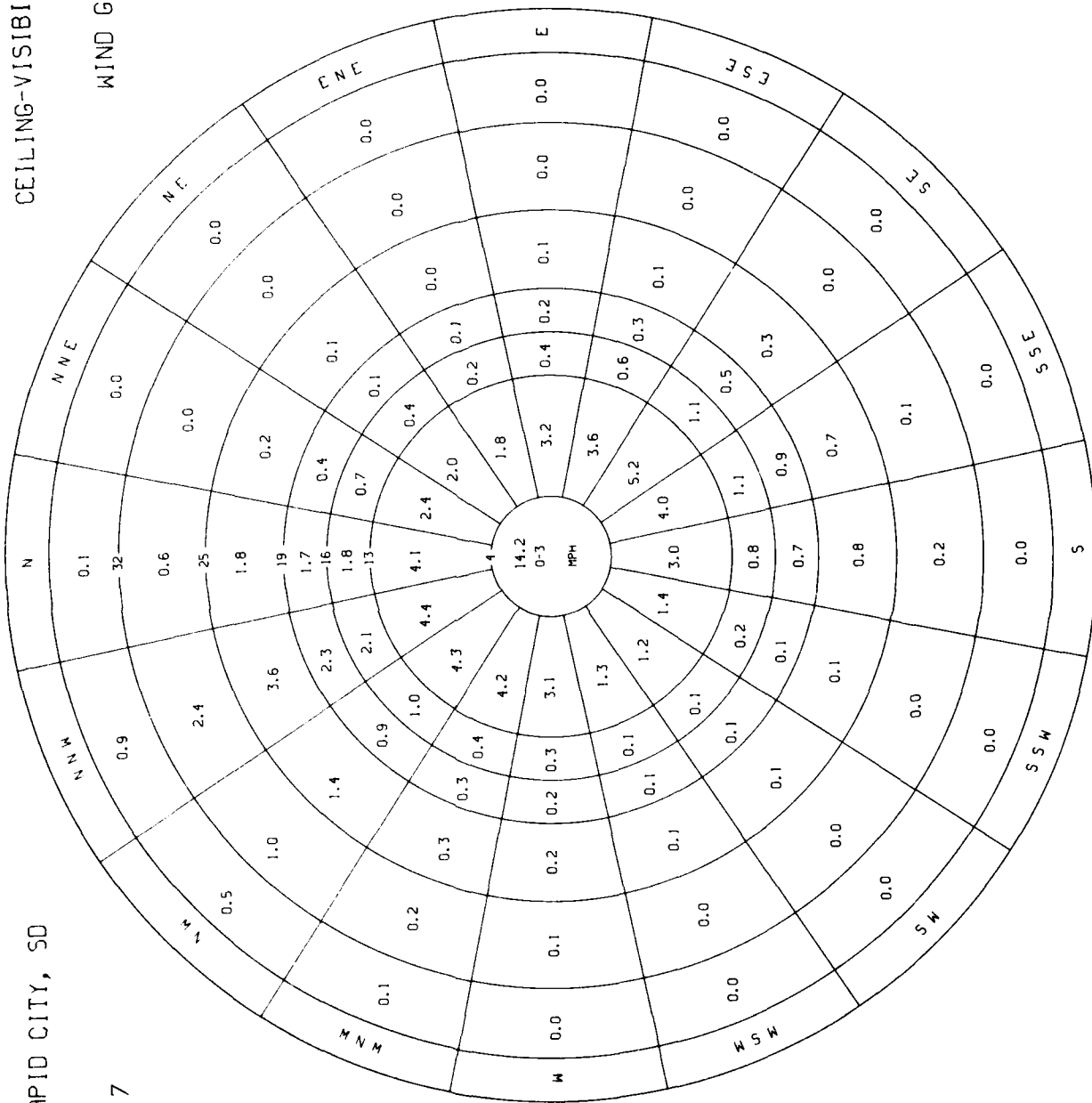
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.0	.0	3.3	.0	1.1	.0	.4	.0	.0	.0	.4	.0	.4	.0 5.5 12.5
NNE	.0	.4	.0	2.9	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0 3.7 9.4
NNE	.0	1.8	.0	1.8	.0	.4	.0	.0	.0	.4	.0	.4	.0	.0	.0 4.8 8.8
ENE	.0	.7	.0	1.1	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.2 6.7
E	.0	1.5	.0	5.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 7.4 6.5
ESE	.0	2.2	.0	5.1	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.1 8.8 7.6
SE	.0	.7	.1	14.7	.0	1.1	.0	.4	.0	.0	.0	.0	.0	.0	.1 16.9 8.6
SSE	.0	.7	.0	6.3	.0	.7	.0	1.1	.0	.4	.0	.0	.0	.0	.1 9.2 10.4
S	.0	.4	.0	1.8	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.6 7.0
SSW	.0	.7	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.8 4.4
SW	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .4 7.0
WSW	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .7 7.0
W	.0	.7	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.5 5.5
WNW	.0	.7	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0 1.8 15.0
NW	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.4	.0	5.1	.0 6.3 38.1
NNW	.0	.7	.0	.4	.0	.4	.0	.4	.0	1.1	.0	4.4	.1	9.2	.1 16.5 31.0
CALM	.1	9.9											.1	9.9	
TOTAL	.2	21.3	.4	47.8	.0	5.9	.0	2.6	.0	1.8	.0	5.5	.1	15.1	.7 100 13.4

CEILING-VISIBILITY

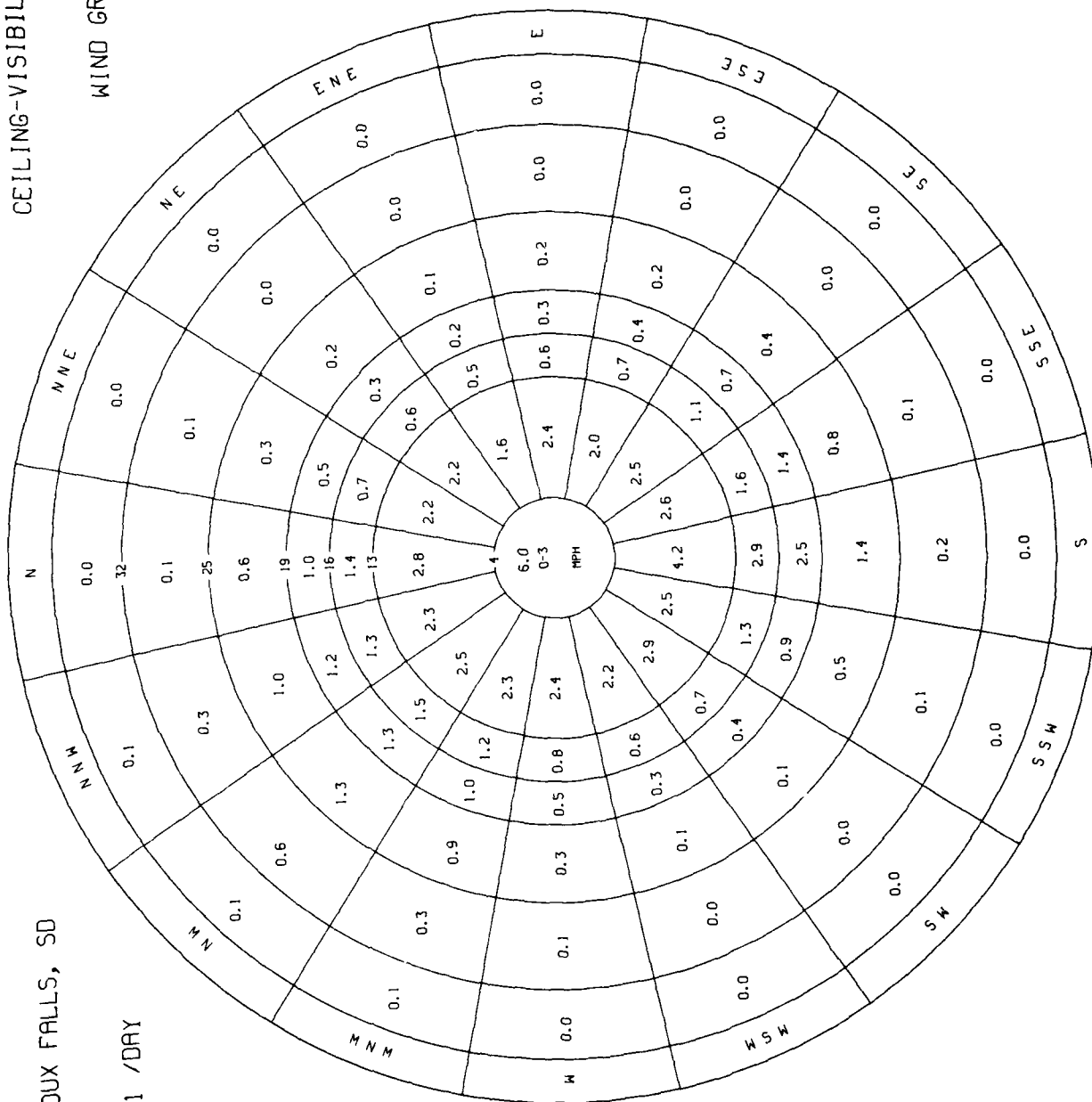
WIND GRAPH

RAP RAPID CITY, SD

CLASS 7



CEILING-VISIBILITY WIND GRAPH



FSD SIOUX FALLS, SD
CLASS 1 / DRY

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: FSD SIOUX FALLS, SD

PERIOD: 1948-1978

CLASS 1 / DAY

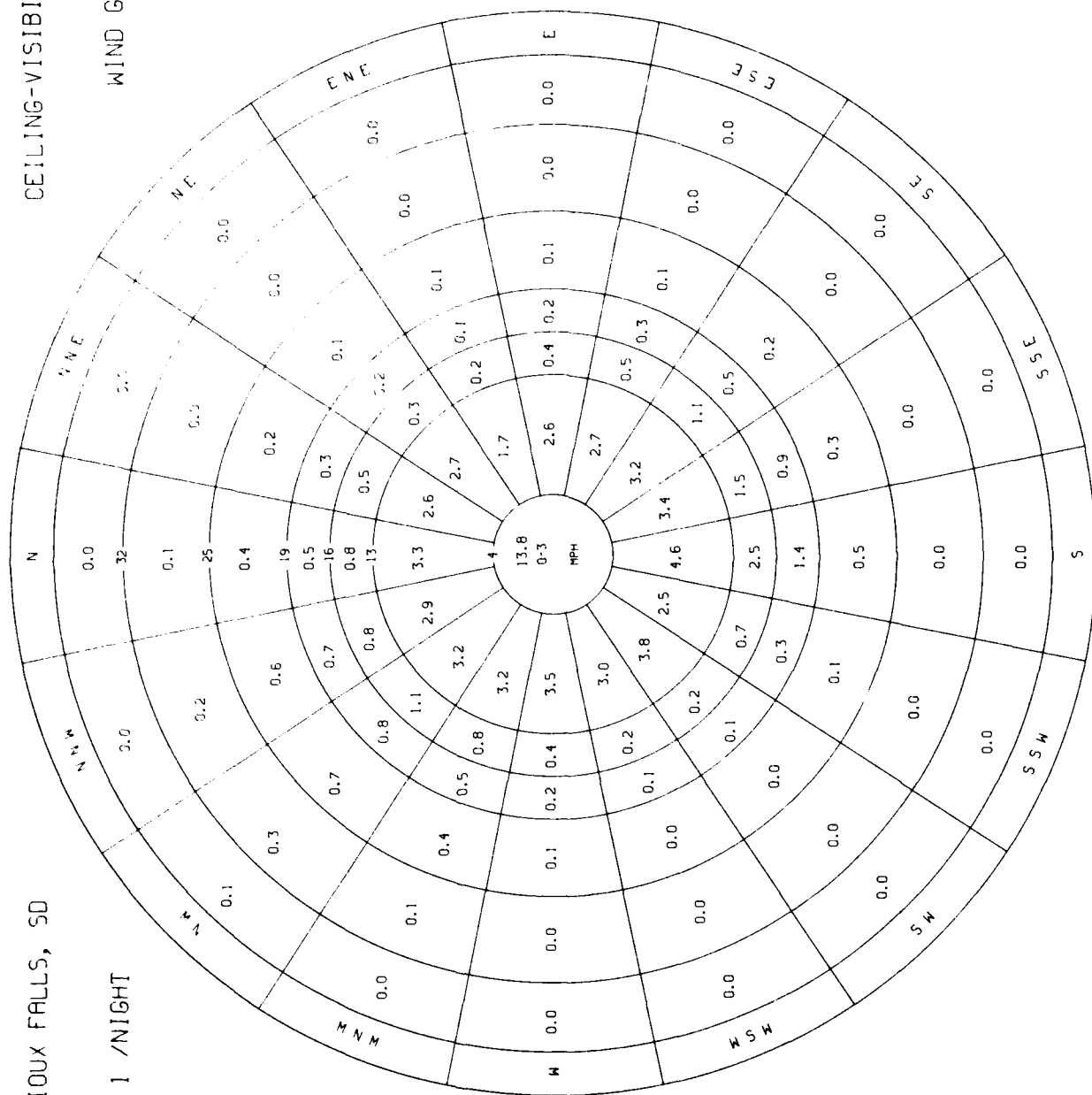
STATION NUMBER: 14944

NO. OBS.: 41855

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.3	.4	2.8	3.2	1.4	1.6	1.0	1.1	.6	.7	.1	.2	.0	.0	6.3 7.2
NNE	.3	.3	2.2	2.5	.7	.8	.5	.5	.3	.3	.1	.1	.0	.0	4.0 4.6
NNE	.4	.4	2.2	2.5	.6	.6	.3	.3	.2	.2	.0	.0	.0	.0	3.6 4.1
ENE	.2	.3	1.6	1.9	.5	.6	.2	.3	.1	.1	.0	.0	.0	.0	2.8 3.2
E	.3	.3	2.4	2.7	.6	.7	.3	.3	.2	.2	.0	.0	.0	.0	3.7 4.2
ESE	.2	.2	2.0	2.3	.7	.9	.4	.5	.2	.3	.0	.0	.0	.0	3.7 4.2
SE	.2	.2	2.5	2.9	1.1	1.2	.7	.9	.4	.4	.0	.1	.0	.0	4.9 5.7
SSE	.1	.2	2.6	3.0	1.6	1.9	1.4	1.6	.8	.9	.1	.2	.0	.0	6.7 7.7
S	.2	.3	4.2	4.9	2.9	3.4	2.5	2.9	1.7	1.6	.2	.2	.0	.0	11.5 13.3
SSW	.2	.2	2.5	2.9	1.3	1.5	.9	1.1	.5	.5	.1	.1	.0	.0	5.6 6.4
SW	.3	.4	2.9	3.3	.7	.8	.4	.4	.1	.2	.0	.0	.0	.0	4.5 5.1
WSW	.3	.3	2.2	2.5	.6	.7	.3	.4	.1	.2	.0	.0	.0	.0	3.5 4.0
W	.3	.3	2.4	2.8	.8	.9	.5	.6	.3	.4	.1	.1	.0	.0	4.5 5.1
WNW	.2	.2	2.3	2.6	1.2	1.4	1.0	1.2	.9	1.0	.3	.4	.1	.1	6.0 6.9
NW	.2	.3	2.5	2.9	1.5	1.7	1.3	1.5	1.3	1.4	.6	.7	.1	.1	7.5 8.6
NNW	.2	.2	2.3	2.7	1.3	1.5	1.2	1.4	1.0	1.2	.3	.4	.1	.1	6.4 7.4
CALM	2.0	2.3													2.0 2.3
TOTAL	6.0	6.9	39.6	45.6	17.6	20.2	13.0	14.9	8.5	9.7	2.1	2.4	.3	.4	87.0 100
															12.3

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: FSD SIOUX FALLS, SD

CLASS 1 / NIGHT

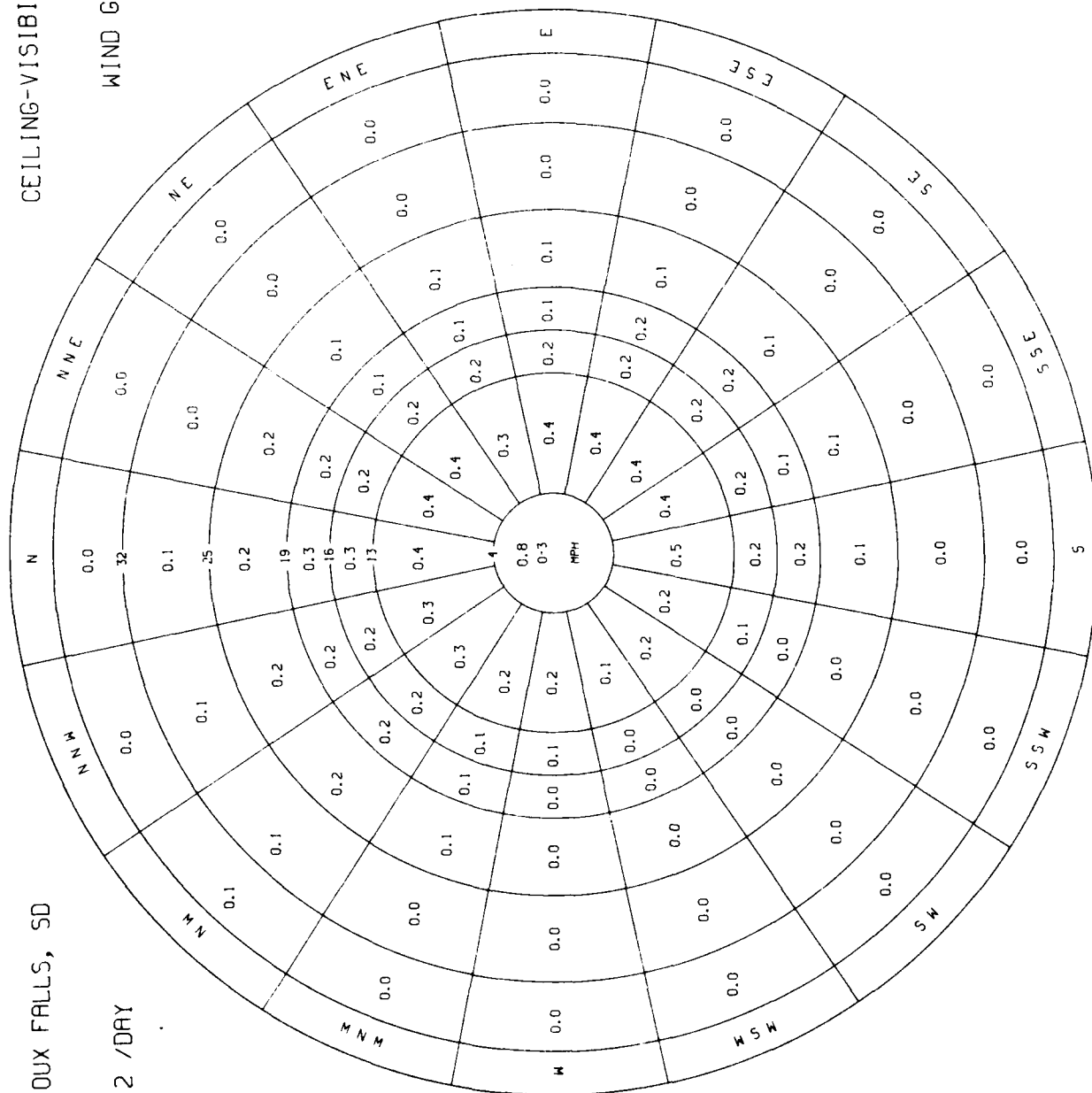
NO. OBS.: 36729

STATION NUMBER: 14944

D I R	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
															C	D	
	A	B	A	B	A	B	A	B	A	B	A	B	C	D			
N	.6	.7	3.3	3.8	.8	.9	.5	.6	.4	.4	.1	.1	.0	.0	5.7	6.6	10.2
NNE	.7	.8	3.6	3.0	.5	.5	.3	.3	.2	.2	.0	.0	.0	.0	4.3	5.0	9.0
NE	1.0	1.1	2.7	3.1	.3	.4	.2	.2	.1	.1	.0	.0	.0	.0	4.3	5.0	7.5
ENE	.5	.5	1.7	2.0	.2	.3	.1	.1	.1	.1	.0	.0	.0	.0	2.6	3.0	8.0
E	.5	.5	2.6	3.0	.4	.5	.2	.2	.1	.1	.0	.0	.0	.0	3.7	4.3	8.5
ESE	.3	.4	2.7	3.2	.5	.6	.3	.3	.1	.1	.0	.0	.0	.0	3.9	4.5	9.5
SE	.4	.4	3.2	3.7	1.1	1.2	.5	.6	.2	.2	.0	.0	.0	.0	5.3	6.2	10.4
SSE	.3	.4	3.4	3.9	1.5	1.8	.9	1.0	.3	.4	.0	.0	.0	.0	6.4	7.4	11.6
S	.4	.5	4.6	5.3	2.5	2.9	1.4	1.7	.5	.6	.0	.0	.0	.0	9.5	10.9	12.0
SSW	.4	.5	2.5	2.9	.7	.8	.3	.3	.1	.1	.0	.0	.0	.0	4.1	4.7	9.5
SW	1.0	1.1	3.8	4.3	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	5.1	5.9	6.9
WSW	.7	.9	3.0	3.4	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	4.0	4.6	7.0
W	.7	.8	3.5	4.0	.4	.5	.2	.2	.1	.1	.0	.0	.0	.0	4.9	5.7	8.4
WNW	.4	.5	3.2	3.7	.8	.9	.5	.6	.4	.4	.1	.1	.0	.0	5.4	6.3	10.8
NW	.5	.6	3.2	3.7	1.1	1.3	.8	1.0	.7	.8	.3	.3	.1	.1	6.7	7.8	12.2
NNW	.3	.4	2.9	3.3	.8	.9	.7	.8	.6	.7	.2	.2	.0	.0	5.4	6.3	11.9
CALM	5.0	5.8											.2	.2	86.5	100	9.4
TOTAL	13.8	15.9	48.9	56.5	12.2	14.1	7.0	8.1	3.7	4.3	.8	.9					

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: FSD SIOUX FALLS, SD

CLASS 2 / DAY

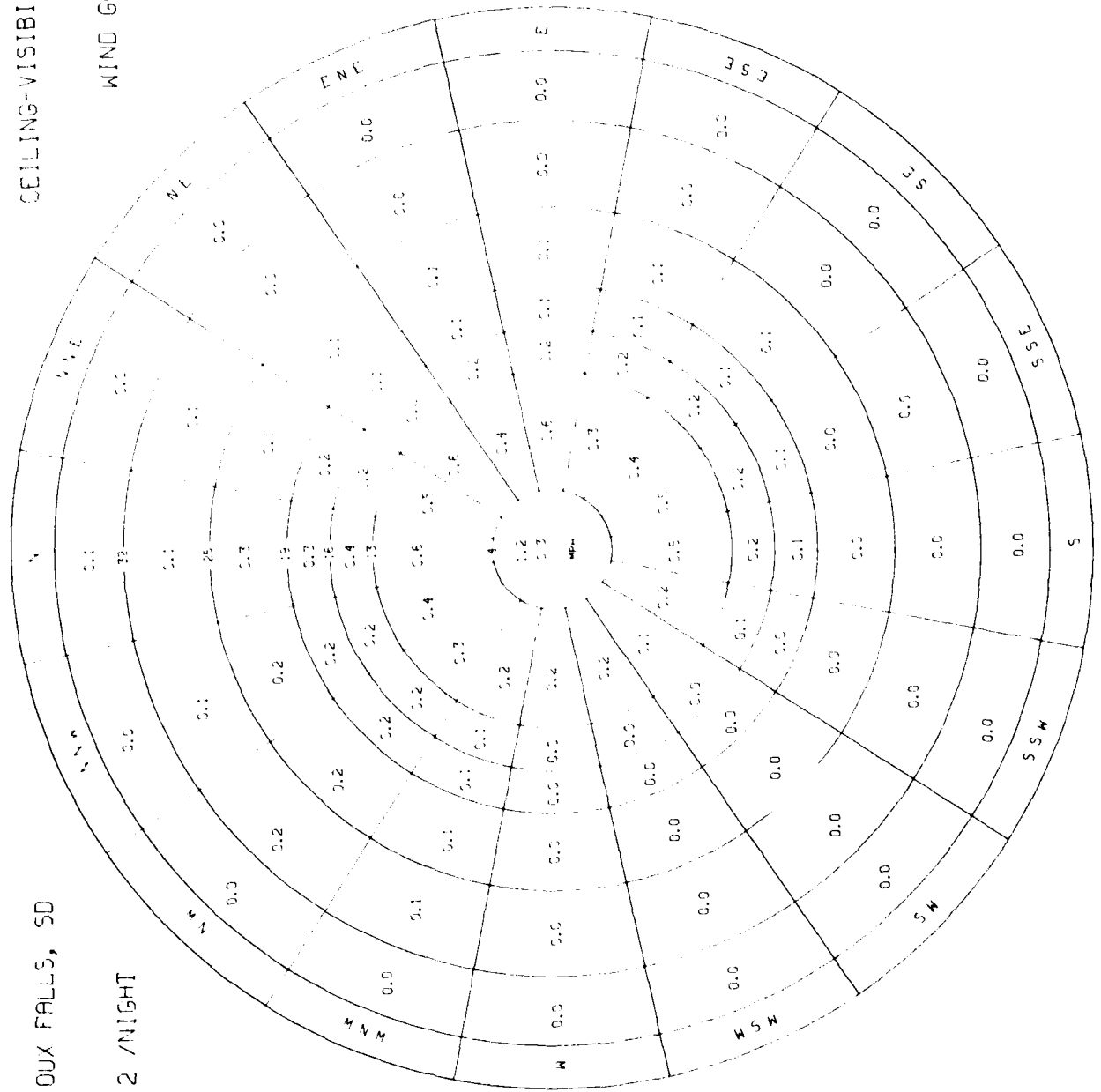
NO. OBS.: 6254

STATION NUMBER: 14944

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D
N	.0	.3	.4	3.4	.3	2.1	.3	2.1	.2	1.8	.1	.8	.0	.1	1.4	10.6	15.2
NNE	.0	.2	.4	2.8	.2	1.4	.2	1.3	.2	1.4	.0	.4	.0	.2	1.0	7.7	14.9
NE	.1	.5	.4	3.4	.2	1.4	.1	1.1	.1	1.0	.0	.3	.0	.0	1.0	7.8	13.0
ENE	.0	.3	.3	2.6	.2	1.3	.1	.7	.1	.5	.0	.2	.0	.1	.8	5.8	12.9
E	.0	.4	.4	3.4	.2	1.5	.1	.9	.1	.7	.0	.2	.0	.0	.9	7.0	12.3
ESE	.0	.2	.4	3.3	.2	1.4	.2	1.2	.1	.9	.0	.1	.0	.0	.9	7.1	12.8
SE	.0	.2	.4	3.1	.2	1.6	.2	1.3	.1	.8	.0	.1	.0	.0	.9	7.1	13.2
SSE	.0	.2	.4	2.9	.2	1.6	.1	1.1	.1	.6	.0	.1	.0	.0	.8	6.4	12.7
S	.0	.2	.5	4.1	.2	1.9	.2	1.2	.1	.5	.0	.0	.0	.0	1.0	7.9	12.0
SSW	.0	.1	.2	1.5	.1	.4	.0	.2	.0	.1	.0	.0	.0	.0	.3	2.3	10.5
SW	.0	.1	.2	1.4	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.2	1.9	9.9
WSW	.0	.2	.1	1.1	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.2	1.8	10.3
W	.0	.2	.2	1.5	.1	.5	.0	.3	.0	.4	.0	.1	.0	.1	.4	3.1	13.0
WNW	.0	.2	.2	1.7	.1	1.0	.1	.7	.1	1.0	.0	.4	.0	.2	.7	5.1	15.2
NW	.0	.1	.3	2.3	.2	1.6	.2	1.2	.2	1.5	.1	1.1	.1	.5	1.1	8.2	17.4
NNW	.0	.0	.3	2.0	.2	1.5	.2	1.3	.2	1.7	.1	.9	.0	.3	1.0	7.9	17.1
CALM	.3	2.3													.3	2.3	
TOTAL	.8	5.9	5.3	40.4	2.5	19.4	1.9	14.8	1.7	13.0	.6	4.9	.2	1.5	13.0	100	13.6

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: FSD SIOUX FALLS, SD

PERIOD: 1948-1978

CLASS 2 / NIGHT

STATION NUMBER: 14944

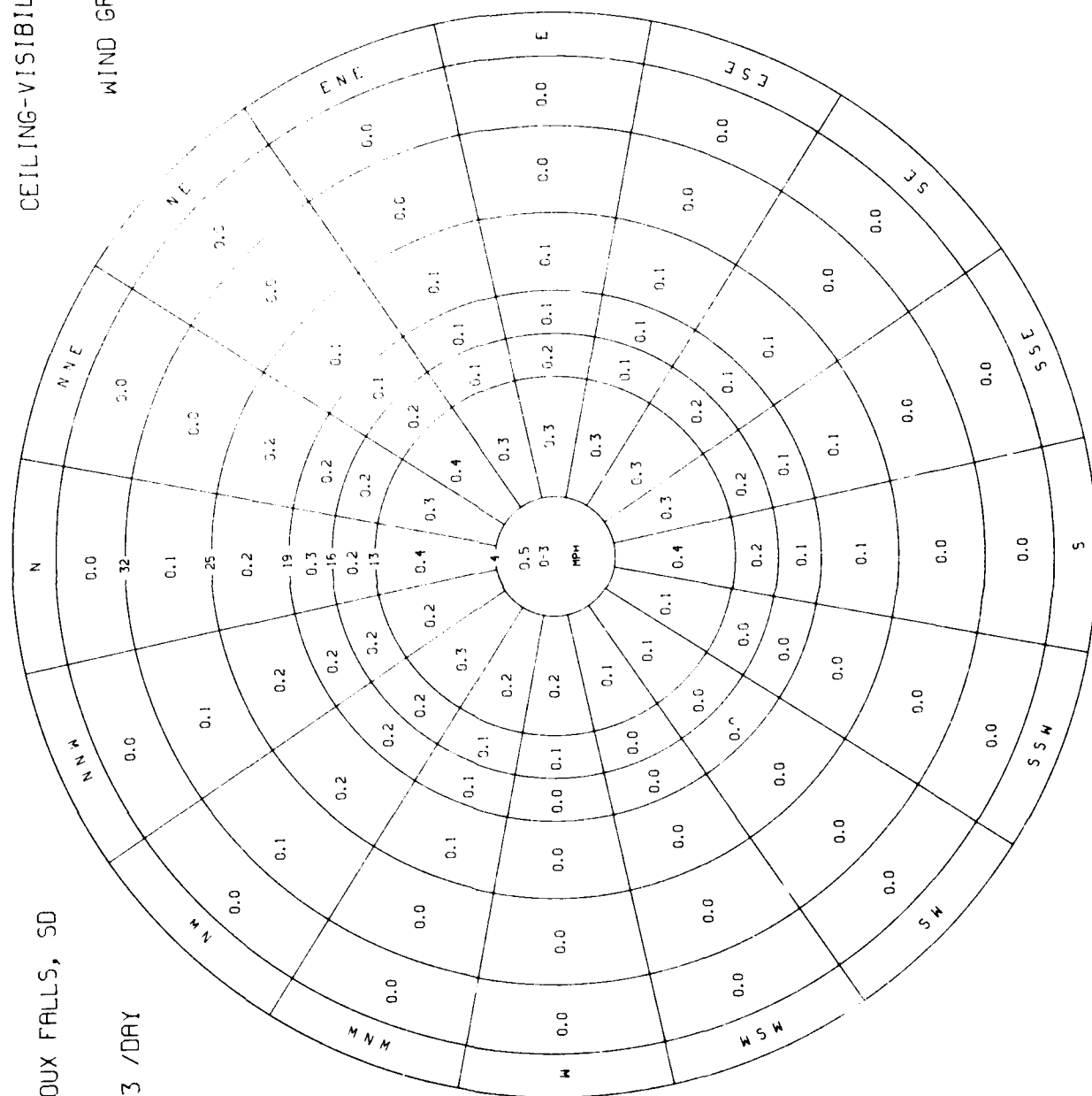
NO. OBS.: 5735

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	.5	.6	4.4	.4	2.6	.3	2.0	.3	1.9	.1	.8	.1	.4	1.7 12.6
NNE	.1	.4	.5	3.5	.2	1.6	.2	1.3	.1	1.0	.1	.4	.0	.1	1.1 8.3
NE	.1	.7	.6	4.1	.2	1.6	.1	.9	.1	.6	.0	.2	.0	.0	1.1 8.2
ENE	.0	.4	.4	3.2	.2	1.2	.1	.6	.1	.5	.0	.1	.0	.0	.8 6.0
E	.1	.4	.6	4.2	.2	1.3	.1	.7	.1	.4	.0	.1	.0	.0	1.0 7.1
ESE	.0	.3	.3	2.4	.2	1.2	.1	.7	.1	.4	.0	.0	.0	.0	.7 5.0
SE	.1	.4	.4	3.0	.2	1.3	.1	1.0	.1	.6	.0	.1	.0	.0	.9 6.4
SSE	.0	.3	.5	3.4	.2	1.4	.1	.9	.0	.2	.0	.0	.0	.0	.8 6.2
S	.1	.4	.5	3.5	.2	1.4	.1	1.0	.0	.3	.0	.0	.0	.0	.9 6.6
SSW	.0	.3	.2	1.4	.1	.4	.0	.3	.0	.1	.0	.0	.0	.0	.3 2.4
SW	.0	.3	.1	1.1	.0	.2	.0	.2	.0	.1	.0	.0	.0	.0	.2 1.8
WSW	.0	.2	.2	1.2	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.2 1.7
W	.0	.3	.2	1.4	.0	.2	.0	.2	.0	.2	.0	.1	.0	.0	.3 2.5
WNW	.0	.1	.2	1.8	.1	1.0	.1	.7	.1	.8	.1	.4	.0	.0	.6 4.8
NW	.0	.2	.3	2.3	.2	1.6	.2	1.4	.2	1.2	.2	1.2	.0	.3	1.1 8.2
NNW	.0	.1	.4	2.9	.2	1.6	.2	1.6	.2	1.5	.1	.7	.0	.2	1.2 8.6
CALM	.5	3.6													.5 3.6
TOTAL	1.2	8.9	5.9	43.7	2.5	18.8	1.8	13.6	1.3	9.7	.6	4.2	.2	1.1	13.5 100

FSD SIOUX FALLS, SD

WIND GRAPH

CLASS 3 / DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: FSD SIOUX FALLS, SD

CLASS 3 / DAY

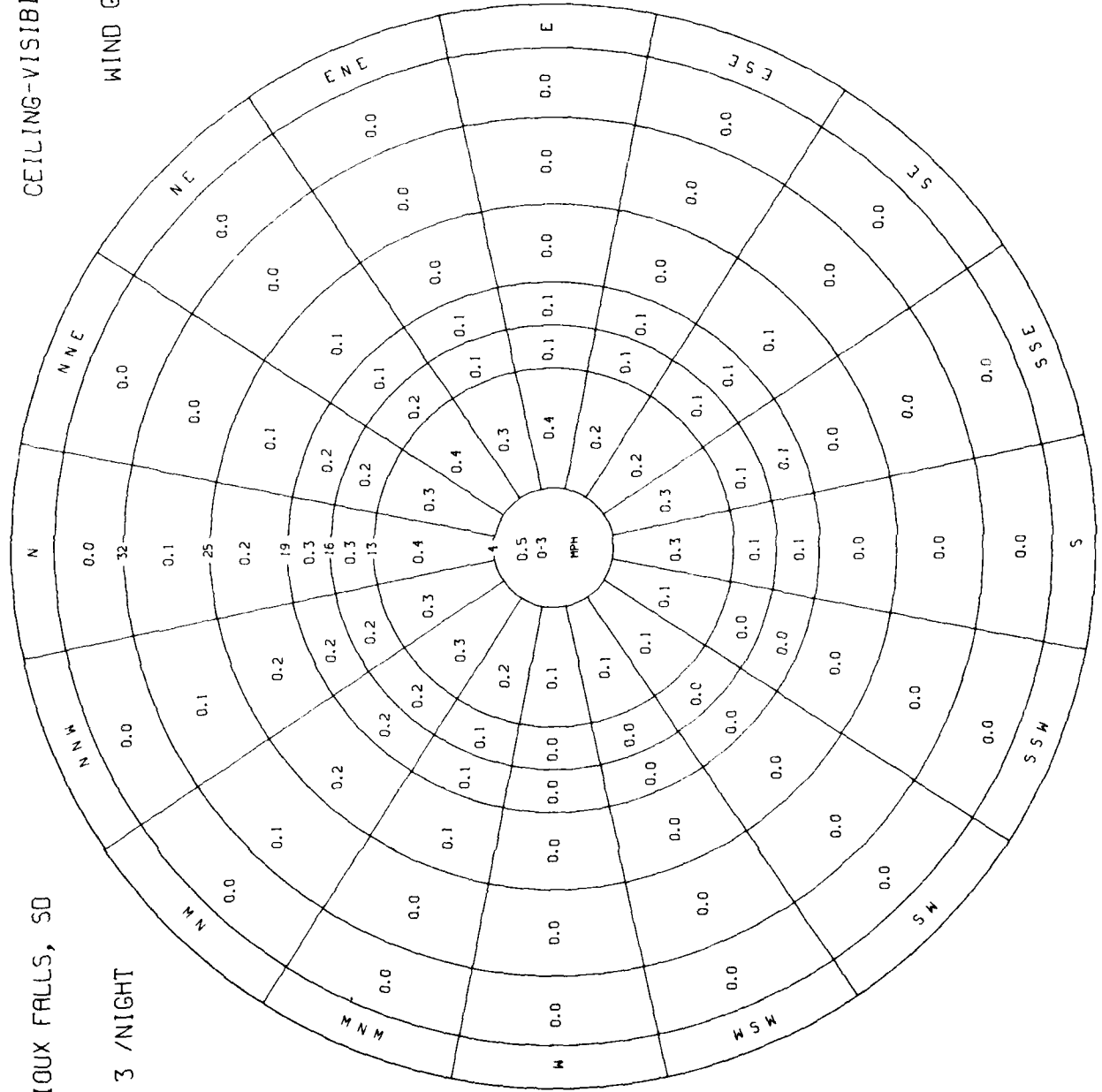
NO. OBS.: 5197

STATION NUMBER: 14944

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D
N	.0	.2	.4	3.3	.2	2.3	.3	2.3	.2	2.0	.1	.7	.0	.0	1.2	10.9	15.1
NNE	.0	.2	.3	2.9	.2	1.5	.2	1.4	.2	1.5	.0	.4	.0	.1	.9	7.9	14.8
NE	.0	.4	.4	3.5	.2	1.5	.1	1.1	.1	.9	.0	.3	.0	.0	.8	7.8	12.9
ENE	.0	.3	.3	2.4	.1	1.3	.1	.8	.1	.5	.0	.2	.0	.1	.6	5.6	13.0
E	.0	.3	.3	3.2	.2	1.6	.1	.9	.1	.8	.0	.2	.0	.0	.7	6.9	12.6
ESE	.0	.1	.3	3.2	.1	1.3	.1	1.1	.1	.8	.0	.1	.0	.0	.7	6.7	13.0
SE	.0	.2	.3	3.0	.2	1.5	.1	1.3	.1	.8	.0	.1	.0	.1	.8	7.0	13.3
SSE	.0	.2	.3	2.6	.2	1.7	.1	1.2	.1	.7	.0	.1	.0	.0	.7	6.3	13.0
S	.0	.2	.4	3.9	.2	1.9	.1	1.2	.1	.6	.0	.0	.0	.0	.8	7.8	12.4
SSW	.0	.1	.1	1.3	.0	.4	.0	.2	.0	.1	.0	.0	.0	.0	.2	2.2	11.0
SW	.0	.1	.1	1.2	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.2	1.7	10.6
WSW	.0	.1	.1	1.0	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.2	1.8	11.1
W	.0	.2	.2	1.5	.1	.6	.0	.4	.0	.4	.0	.2	.0	.1	.4	3.3	13.2
WNW	.0	.2	.2	1.8	.1	1.1	.1	.8	.1	1.1	.0	.4	.0	.2	.6	5.5	15.4
NW	.0	.1	.3	2.4	.2	1.8	.2	1.4	.2	1.6	.1	1.0	.0	.4	.9	8.7	16.8
NNW	.0	.1	.2	2.2	.2	1.8	.2	1.5	.2	1.9	.1	.8	.0	.2	.9	8.5	16.7
CALM	.1	1.4													.1	1.4	
TOTAL	.5	4.4	4.3	39.4	2.2	20.8	1.7	15.9	1.5	13.9	.5	4.5	.1	1.1	10.8	100	13.8

CEILING-VISIBILITY

WIND GRAPH



FSD SIOUX FALLS, SD

CLASS 3 / NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: FSD SIOUX FALLS, SD

PERIOD: 1948-1978

CLASS 3 / NIGHT

STATION NUMBER: 14944

NO. OBS.: 4277

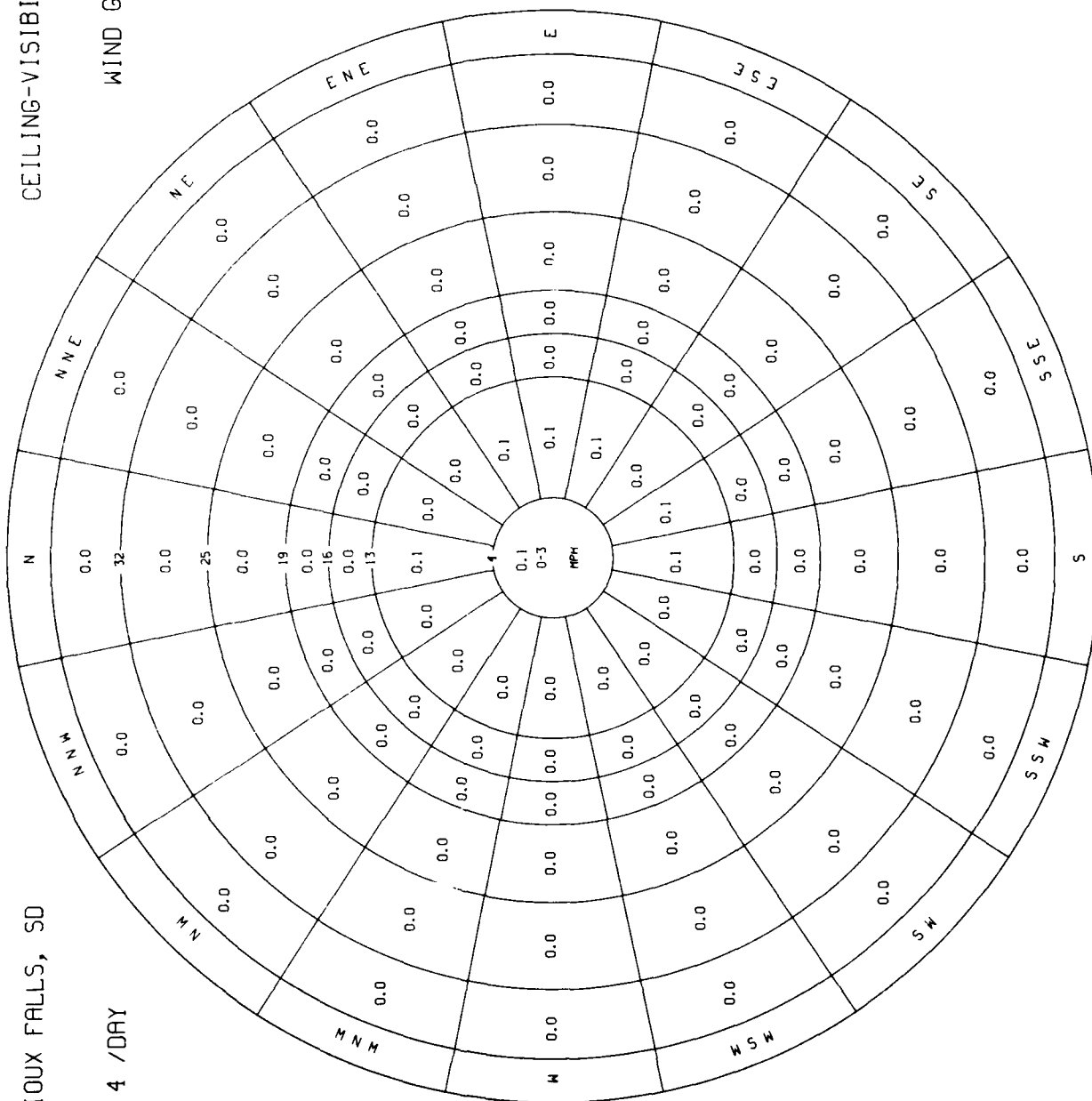
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C
N	.0	.2	.4	4.4	.3	3.3	.3	2.5	.2	2.2	.1	.8	.0	.3	1.4	13.7	15.2
NNE	.0	.2	.3	3.4	.2	1.8	.2	1.6	.1	1.3	.0	.4	.0	.0	.9	8.7	14.1
NE	.0	.4	.4	4.0	.2	1.8	.1	1.2	.1	.7	.0	.1	.0	.0	.8	8.3	12.0
ENE	.0	.2	.3	3.1	.1	1.3	.1	.6	.0	.5	.0	.1	.0	.0	.6	5.8	11.7
E	.0	.3	.4	4.0	.1	1.2	.1	.8	.0	.5	.0	.1	.0	.0	.7	6.9	11.6
ESE	.0	.1	.2	2.1	.1	1.3	.1	.7	.0	.4	.0	.0	.0	.0	.5	4.7	12.4
SE	.0	.4	.2	2.4	.1	1.2	.1	1.0	.1	.6	.0	.1	.0	.0	.6	5.6	12.5
SSE	.0	.2	.3	3.0	.1	1.4	.1	1.1	.0	.3	.0	.0	.0	.0	.6	6.0	12.2
S	.0	.1	.3	2.9	.1	1.4	.1	1.0	.0	.3	.0	.0	.0	.0	.6	5.7	12.3
SSW	.0	.2	.1	1.1	.0	.4	.0	.3	.0	.1	.0	.0	.0	.0	.2	2.0	10.6
SW	.0	.2	.1	.9	.0	.1	.0	.2	.0	.0	.0	.0	.0	.0	.2	1.5	8.6
WSW	.0	.1	.1	.9	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.1	1.4	10.2
W	.0	.3	.1	1.4	.0	.2	.0	.3	.0	.3	.0	.1	.0	.0	.3	2.6	11.1
WNW	.0	.1	.2	1.9	.1	1.1	.1	.9	.1	1.0	.0	.5	.0	.0	.6	5.5	15.0
NW	.0	.1	.3	2.7	.2	2.1	.2	1.9	.2	1.5	.1	1.4	.0	.2	1.0	9.8	16.6
NNW	.0	.1	.3	3.4	.2	1.9	.2	1.9	.2	1.8	.1	.7	.0	.1	1.0	10.1	15.3
CALM	.2	1.7													.2	1.7	
TOTAL	.5	4.9	4.2	41.8	2.1	20.7	1.6	16.2	1.2	11.5	.4	4.4	.1	.6	10.1	100	13.3

CEILING-VISIBILITY

WIND GRAPH

FSD SIOUX FALLS, SD

CLASS 4 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: FSD SIOUX FALLS, SD

CLASS 4 / DAY

NO. OBS.: 683

STATION NUMBER: 14944

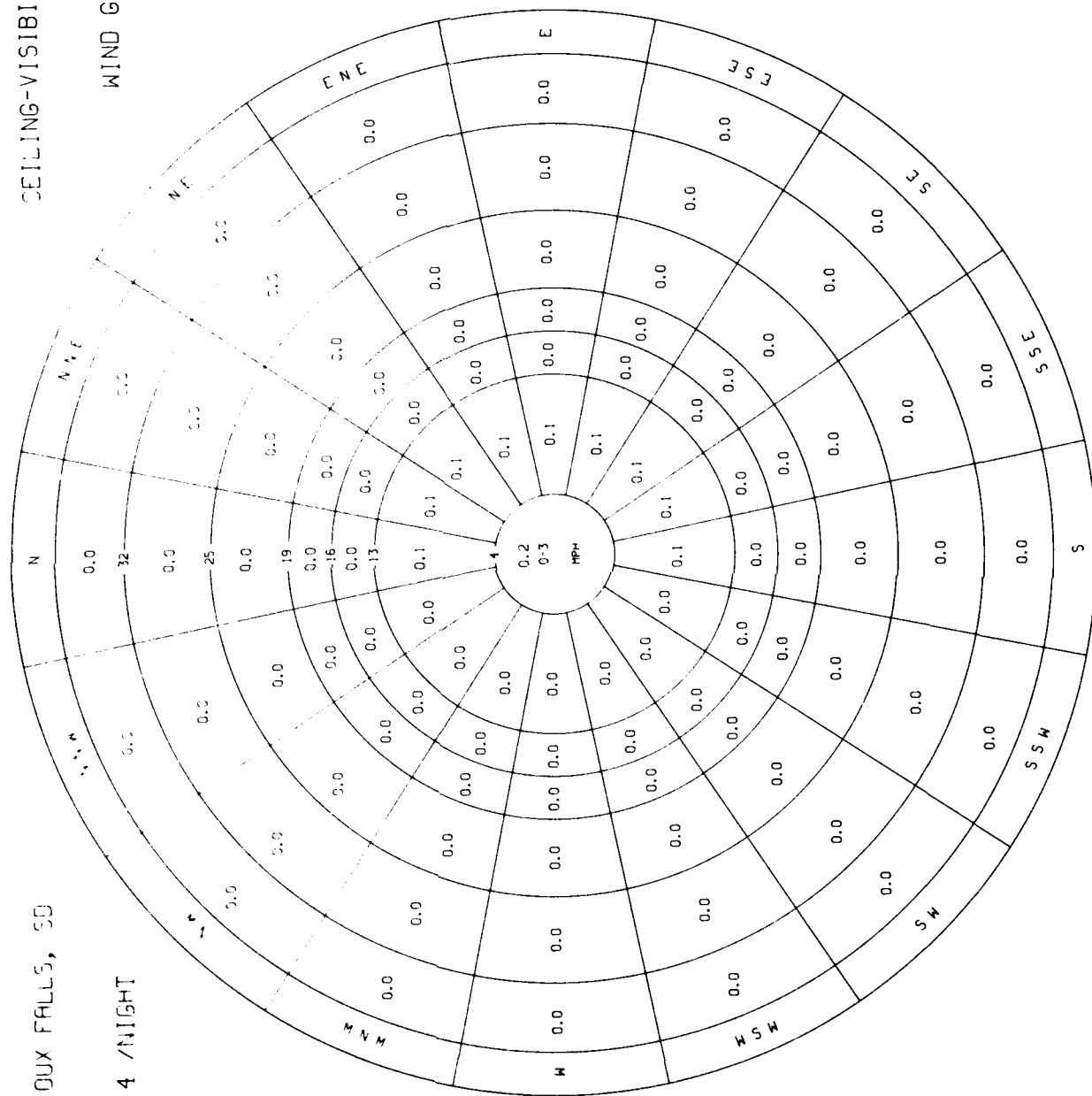
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.6	.1	4.0	.0	1.3	.0	1.5	.0	1.2	.0	1.6	.0	.3	.1 10.4
NNE	.0	.3	.0	2.3	.0	.6	.0	1.2	.0	1.6	.0	.4	.0	.1	.1 6.6
NNE	.0	.6	.0	2.9	.0	1.2	.0	1.2	.0	1.5	.0	.4	.0	.0	.1 7.8
ENE	.0	.1	.1	4.1	.0	2.0	.0	.7	.0	.7	.0	.0	.0	.0	.1 7.8
E	.0	.1	.1	4.8	.0	1.2	.0	1.3	.0	.6	.0	.3	.0	.1	.1 8.5
ESE	.0	.6	.1	3.8	.0	2.2	.0	1.6	.0	1.5	.0	.1	.0	.0	.1 9.8
SE	.0	.0	.0	3.4	.0	2.0	.0	2.0	.0	.7	.0	.3	.0	.0	.1 8.5
SSE	.0	.1	.1	4.0	.0	1.2	.0	.9	.0	.7	.0	.0	.0	.0	.1 6.9
S	.0	.1	.1	4.8	.0	1.8	.0	1.2	.0	.1	.0	.0	.0	.0	.1 8.1
SSW	.0	.1	.0	2.2	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.1
SW	.0	.1	.0	1.9	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.3
WSW	.0	.1	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.3
W	.0	.0	.0	.9	.0	.4	.0	.0	.0	.1	.0	.0	.0	.1	.0 1.6
WNW	.0	.0	.0	1.5	.0	.1	.0	.3	.0	.3	.0	.6	.0	.4	.0 3.2
NW	.0	.1	.0	2.2	.0	.3	.0	.0	.0	1.0	.0	1.5	.0	.4	.1 5.6
NNW	.0	.0	.0	1.3	.0	.1	.0	.6	.0	.7	.0	.9	.0	.4	.1 4.1
CALM	.1	4.5													.1 4.5
TOTAL	.1	7.8	.6	45.2	.2	15.5	.2	12.4	.2	10.8	.1	6.1	.0	2.0	1.4 100

CEILING-VISIBILITY

WIND GRAPH

FSD SIOUX FALLS, SD

CLASS 4 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: FSD SIOUX FALLS, SD

CLASS 4 / NIGHT

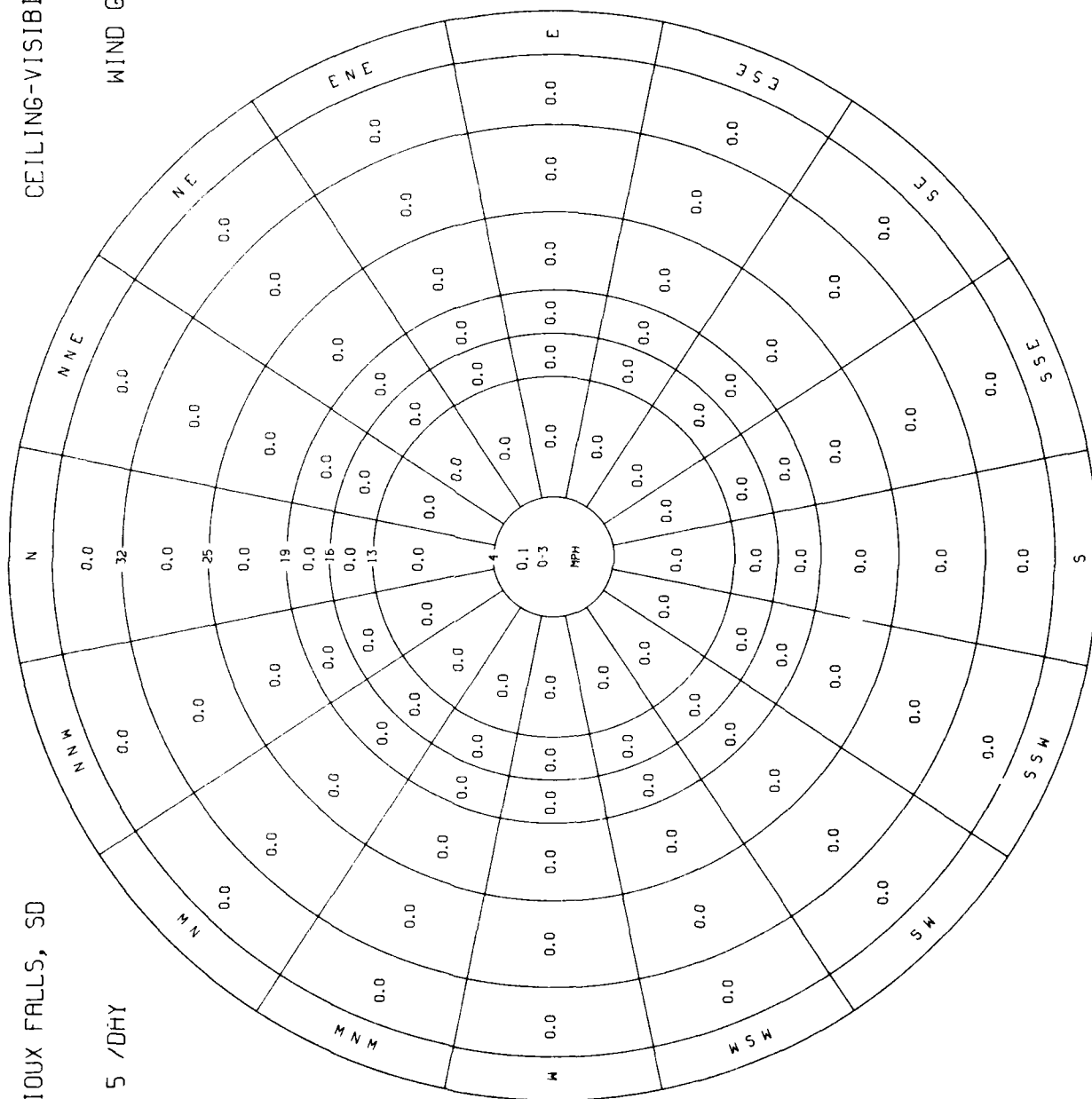
NO. OBS.: 797

STATION NUMBER: 14944

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
																A	B
N	.0	.9	.1	4.6	.0	1.3	.0	1.1	.0	1.6	.0	.8	.0	.8	.2	11.0	14.8
NNE	.0	.6	.1	3.6	.0	1.3	.0	.6	.0	.5	.0	.5	.0	.1	.1	7.3	11.9
NE	.0	.4	.1	4.5	.0	1.5	.0	.3	.0	.6	.0	.5	.0	.0	.1	7.8	11.9
ENE	.0	.6	.1	3.6	.0	1.1	.0	.9	.0	1.3	.0	.5	.0	.0	.2	8.0	13.2
E	.0	.5	.1	5.3	.0	2.1	.0	1.0	.0	.3	.0	.0	.0	.0	.2	9.2	10.6
ESE	.0	.5	.1	3.4	.0	1.6	.0	.8	.0	.3	.0	.0	.0	.0	.1	6.5	10.8
SE	.0	.3	.1	4.5	.0	2.4	.0	1.6	.0	.9	.0	.0	.0	.0	.2	9.7	12.1
SSE	.0	.3	.1	3.6	.0	1.5	.0	.5	.0	.1	.0	.0	.0	.0	.1	6.0	10.8
S	.0	.8	.1	5.1	.0	2.0	.0	1.1	.0	.6	.0	.1	.0	.0	.2	9.8	11.3
SSW	.0	.8	.0	2.4	.0	.3	.0	.4	.0	.0	.0	.0	.0	.0	.1	3.8	8.4
SW	.0	.4	.0	.9	.0	.5	.0	.0	.0	.3	.0	.0	.0	.0	.0	2.0	9.0
WSW	.0	.1	.0	1.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	1.4	8.5
W	.0	.1	.0	.5	.0	.4	.0	.1	.0	.0	.0	.1	.0	.1	.0	1.4	13.3
WNW	.0	.3	.0	1.0	.0	.8	.0	.4	.0	.4	.0	.1	.0	.0	.1	2.9	13.4
NW	.0	.1	.0	1.4	.0	.8	.0	.3	.0	.3	.0	.6	.0	.6	.1	4.0	17.6
NNW	.0	.1	.0	1.6	.0	1.3	.0	.5	.0	.6	.0	.9	.0	.4	.1	5.4	16.9
CALM	.1	3.9													.1	3.9	
TOTAL	.2	10.5	.9	47.2	.4	18.8	.2	9.7	.1	7.7	.1	4.1	.0	2.0	1.9	100	11.9

CEILING-VISIBILITY

WIND GRAPH



FSD SIOUX FALLS, SD

CLASS 5 /DHY

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: FSD SIOUX FALLS, SD

CLASS 5 / DAY

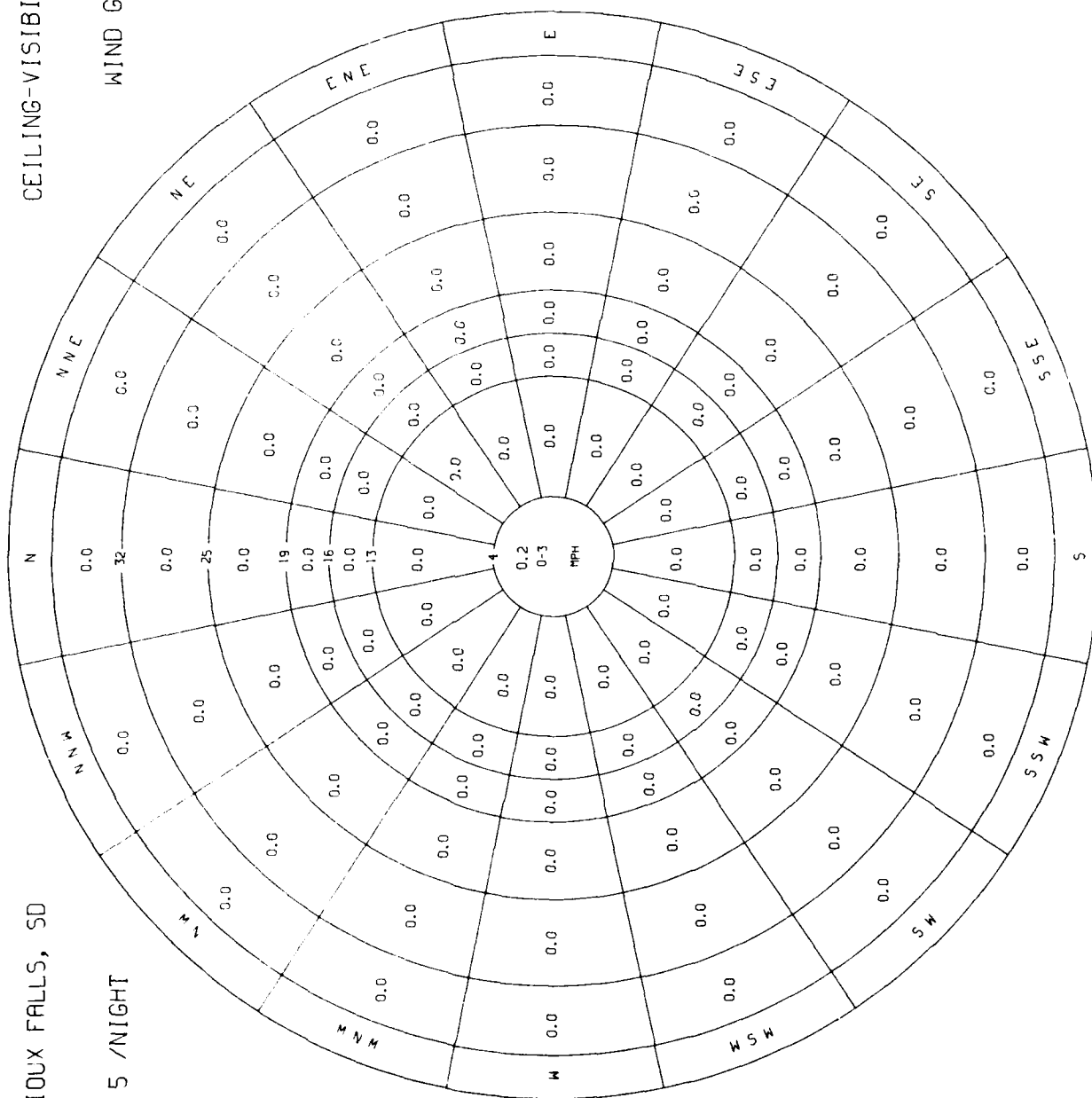
NO. OBS.: 189

STATION NUMBER: 14944

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED				
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL			
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C	D	
N	.0	1.1	.0	3.2	.0	1.1	.0	.5	.0	.5	.0	1.1	.0	1.1	.0	1.1	.0	8.5	16.1
NNE	.0	.5	.0	1.1	.0	1.1	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	3.7	11.9
NNE	.0	1.6	.0	2.6	.0	.5	.0	1.6	.0	1.6	.0	1.1	.0	.0	.0	.0	.0	9.0	13.4
ENE	.0	.5	.0	3.7	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	4.8	9.3
E	.0	1.1	.0	3.7	.0	.5	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	5.8	9.8
ESE	.0	.5	.0	2.6	.0	.5	.0	1.6	.0	.5	.0	.0	.0	.0	.0	.0	.0	5.8	11.6
SE	.0	.5	.0	3.7	.0	1.6	.0	1.6	.0	1.6	.0	.0	.0	.0	.0	.0	.0	9.0	13.1
SSE	.0	.5	.0	3.2	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.3	9.5
S	.0	1.1	.0	7.9	.0	1.6	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.6	9.2
SSW	.0	.0	.0	4.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8	8.4
SW	.0	.5	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	7.3
WSW	.0	1.1	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	4.3
W	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	7.3
WNW	.0	1.6	.0	1.6	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	4.2	9.5
NW	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	1.1	.0	4.2	.0	2.1	.0	9.0	26.0
NNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0	4.2	.0	.5	.0	.5	5.8	27.3
CALM	.0	5.8																5.8	
TOTAL	.1	16.4	.2	45.0	.0	9.0	.0	6.9	.0	6.9	.0	11.6	.0	11.6	.0	4.2	.4	100	12.6

CEILING-VISIBILITY

WIND GRAPH



FSD SIOUX FALLS, SD

CLASS 5 / NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: FSD SIOUX FALLS, SD

PERIOD: 1948-1978

CLASS 5 / NIGHT

STATION NUMBER: 14944

NO. OBS.: 330

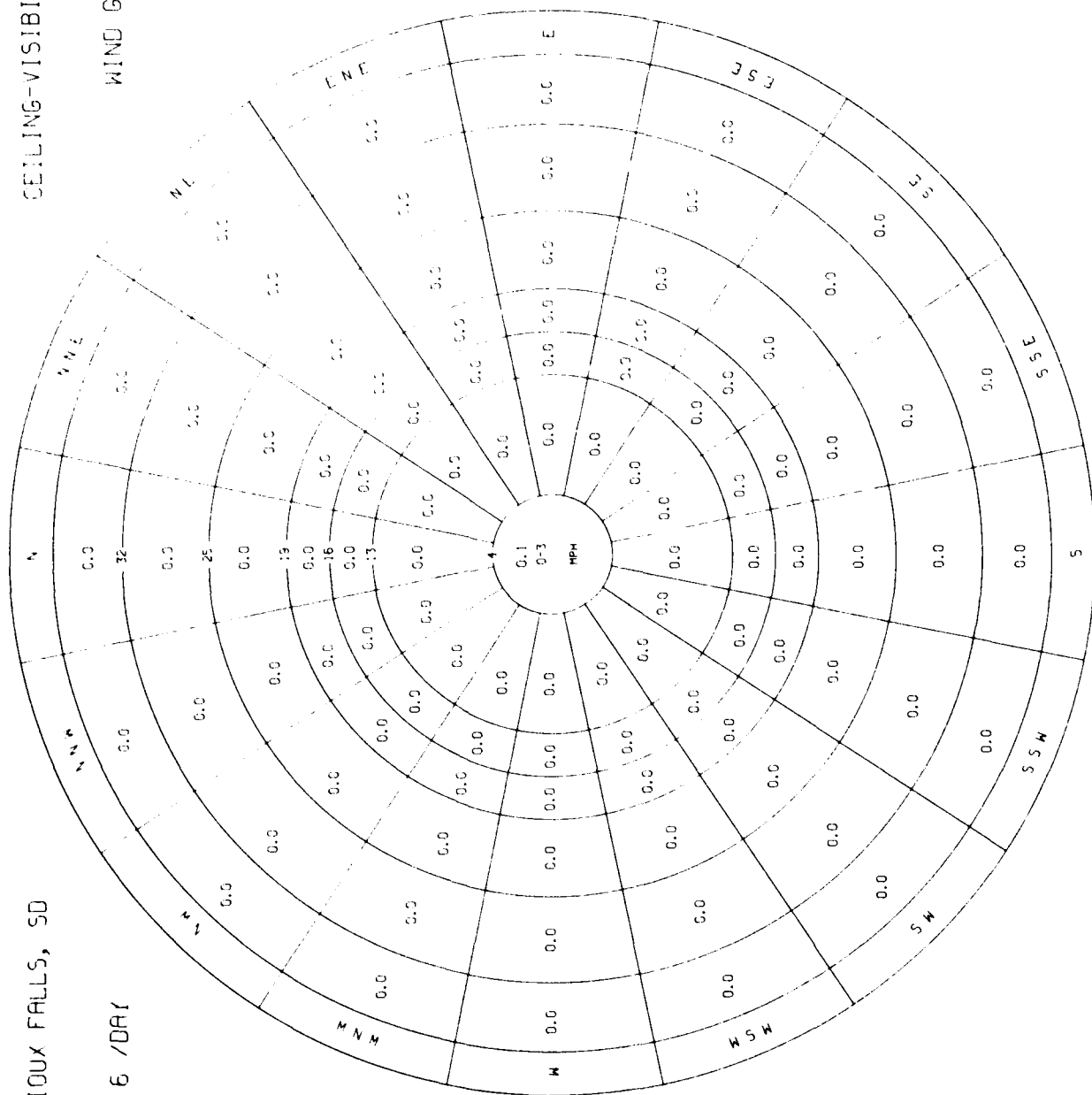
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	1.2	.0	3.9	.0	.0	.0	.0	.0	.0	.0	.9	.0	1.5	.1 7.6
NNE	.0	.9	.0	3.6	.0	.3	.0	.0	.0	.0	.0	.6	.0	.0	.0 5.5
NNE	.0	.6	.0	6.1	.0	.6	.0	.0	.0	.0	.0	.9	.0	.0	.1 8.2
ENE	.0	.3	.0	3.6	.0	.9	.0	.3	.0	.0	.0	.3	.0	.0	.0 5.5
E	.0	.9	.0	4.2	.0	1.2	.0	.0	.0	.0	.0	.6	.0	.0	.1 7.0
ESE	.0	.3	.0	3.9	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0 5.5
SE	.0	.9	.0	5.8	.0	1.8	.0	.3	.0	.0	.0	.0	.0	.0	.1 8.8
SSE	.0	.9	.0	5.2	.0	1.5	.0	.3	.0	.0	.0	.0	.0	.0	.1 7.9
S	.0	1.2	.0	5.2	.0	1.5	.0	1.2	.0	.0	.0	.0	.0	.0	.1 9.1
SSW	.0	.6	.0	2.1	.0	.9	.0	.3	.0	.0	.0	.0	.0	.0	.0 3.9
SW	.0	.9	.0	2.4	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.9
WSW	.0	.3	.0	3.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.9
W	.0	.9	.0	2.1	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.6
WNW	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .3
NW	.0	.3	.0	.6	.0	.0	.0	.0	.0	.3	.0	1.2	.0	.9	.0 3.3
NNW	.0	.0	.0	1.5	.0	.0	.0	.3	.0	.3	.0	.9	.0	1.2	.0 4.2
CALM	.1	11.8													.1 11.8
TOTAL	.2	22.1	.4	53.9	.1	10.9	.0	3.3	.0	.6	.0	5.5	.0	3.6	.8 100

CEILING-VISIBILITY

WIND GRAPH

FSD SIOUX FALLS, SD

CLASS 6 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: FSD SIOUX FALLS, SD

CLASS 6 / DAY

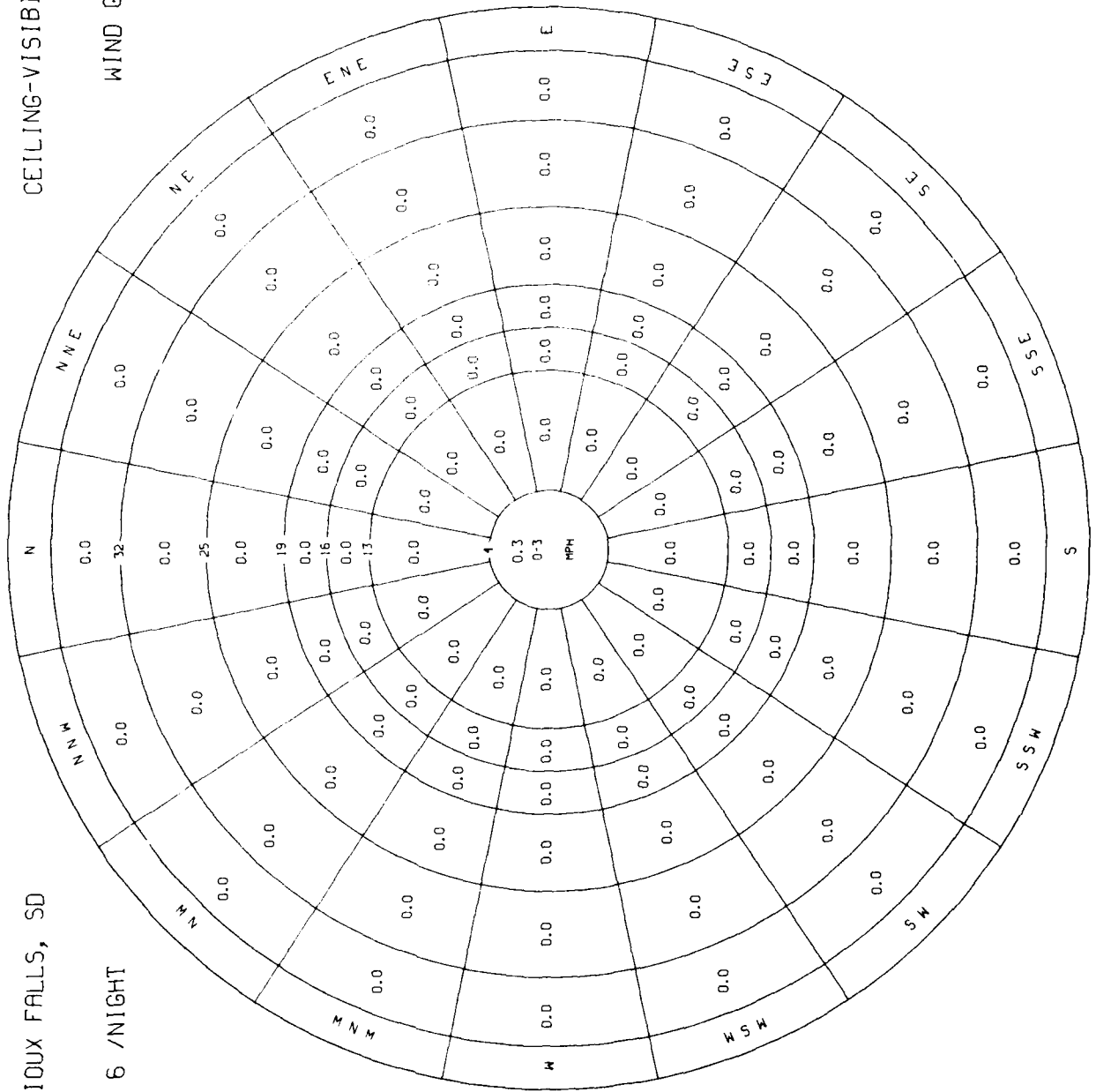
NO. OBS.: 185

STATION NUMBER: 14944

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C
N	.0	1.1	.0	3.2	.0	.0	.0	.0	.0	.5	.0	1.1	.0	1.6	.0	7.6	18.0
NNE	.0	1.1	.0	2.7	.0	.5	.0	.0	.0	.0	.0	1.1	.0	2.2	.0	7.6	20.7
NE	.0	1.1	.0	4.3	.0	.5	.0	.0	.0	1.1	.0	.0	.0	1.1	.0	8.1	12.7
ENE	.0	.5	.0	2.2	.0	.0	.0	.0	.0	.5	.0	.5	.0	.5	.0	4.3	14.9
E	.0	2.2	.0	4.3	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.6	6.6
ESE	.0	1.6	.0	4.9	.0	.0	.0	1.1	.0	1.1	.0	.0	.0	.0	.0	8.6	9.6
SE	.0	1.1	.0	3.2	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	4.9	7.4
SSE	.0	.5	.0	5.4	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.0	7.8
S	.0	1.1	.0	3.2	.0	2.2	.0	.0	.0	.5	.0	.0	.0	.0	.0	7.0	8.9
SSW	.0	.5	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	5.7
SW	.0	.5	.0	3.2	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	4.3	8.4
WSW	.0	1.1	.0	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	5.1
W	.0	.5	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	6.6
WNW	.0	1.1	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	4.8
NW	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	.0	2.7	33.2
NNW	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.5	.0	1.6	.0	1.1	.0	4.9	23.4
CALM	.1	14.6													.1	14.6	
TOTAL	.1	28.6	.2	46.5	.0	5.4	.0	2.2	.0	4.3	.0	4.3	.0	8.6	.4	100	10.5

CEILING-VISIBILITY

WIND GRAPH



FSD SIOUX FALLS, SD

CLASS 6 / NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: FSD SIOUX FALLS, SD

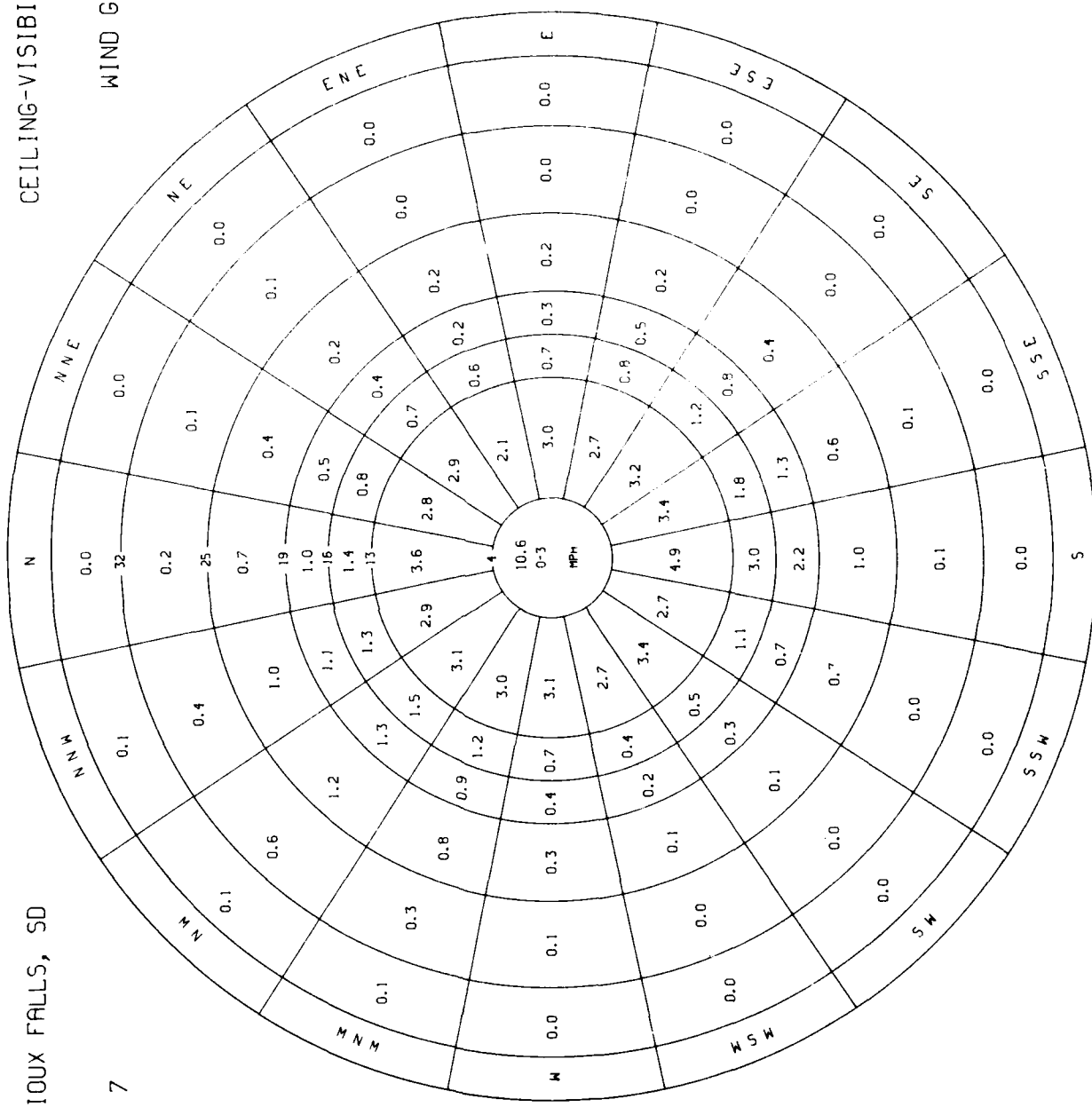
CLASS 6 / NIGHT

NO. OBS.: 331

STATION NUMBER: 14944

D I R	SPEED GROUPS IMPH														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	1.8	.0	3.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.7
NNE	.0	2.1	.0	3.9	.0	.3	.0	.0	.0	.0	.0	.0	.0	1.8	8.2
NE	.0	5.7	.0	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.5
ENE	.0	1.5	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9
E	.0	1.8	.0	3.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	5.4
ESE	.0	1.5	.0	3.6	.0	.6	.0	.0	.0	.3	.0	.0	.0	.0	6.0
SE	.0	1.5	.0	4.5	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	6.3
SSE	.0	1.2	.0	5.7	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	7.3
S	.0	2.4	.0	6.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	8.8
SSW	.0	.6	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7
SW	.0	1.2	.0	1.8	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	3.3
WSW	.0	.9	.0	2.4	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	3.6
W	.0	.9	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0
WNW	.0	.0	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6
NW	.0	1.2	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	3.0
NNW	.0	.3	.0	.9	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	1.5
CALM	.1	19.0													19.0
TOTAL	.3	43.8	.4	49.5	.0	2.7	.0	.3	.0	.3	.0	.3	.0	3.0	8.1

CEILING-VISIBILITY
WIND GRAPH

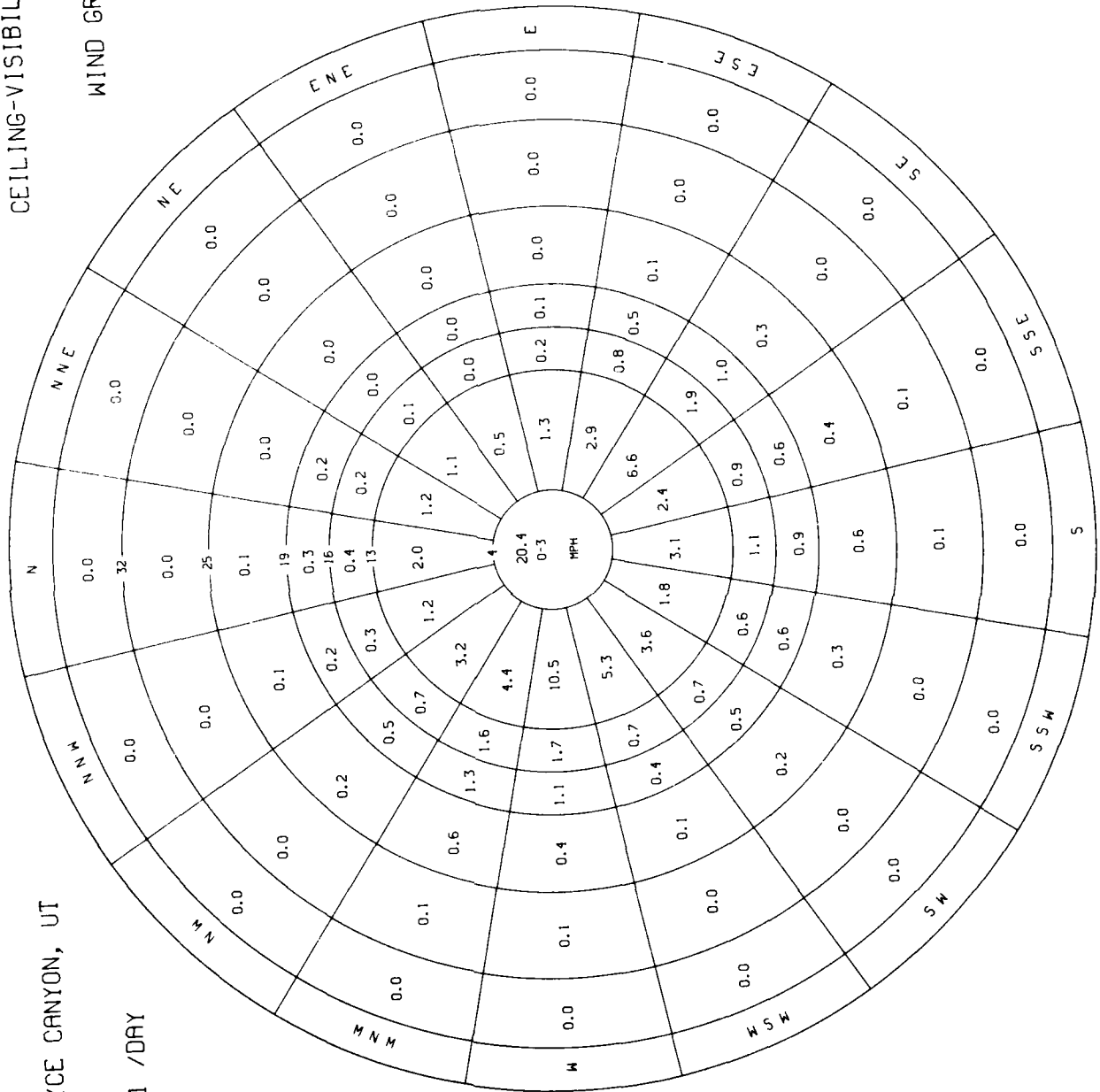


CEILING-VISIBILITY

WIND GRAPH

BCE BRYCE CANYON, UT

CLASS 1 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1949-1975

STATION NAME: BCE BRYCE CANYON, UT

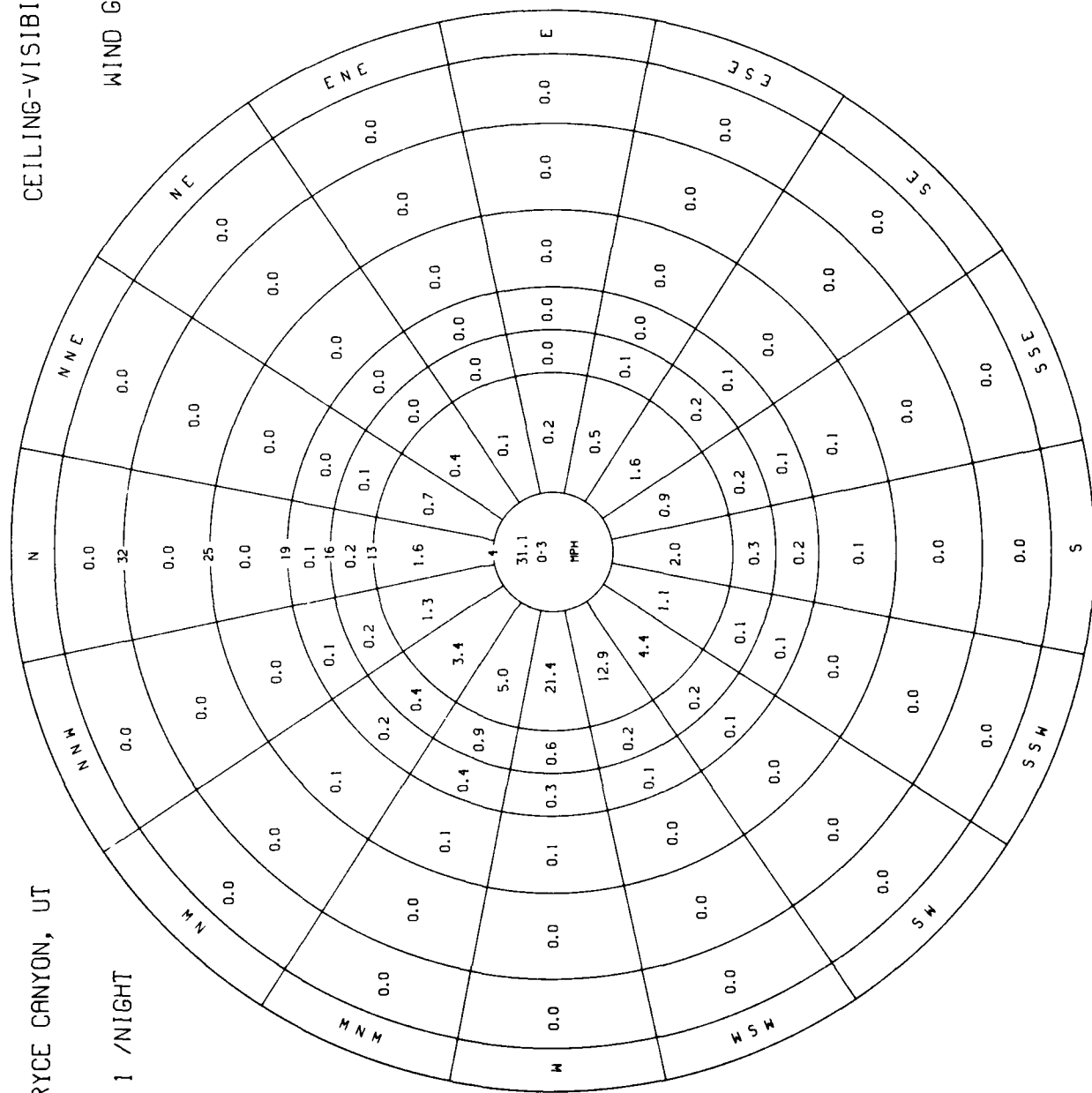
CLASS 1 / DAY

NO. OBS.: 41555

STATION NUMBER: 23159

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C	D
N	.3	.3	2.0	2.1	.4	.4	.3	.3	.1	.1	.0	.0	.0	.0	.0	3.0	3.2	9.7
NNE	.2	.2	1.2	1.3	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	1.9	2.0	9.4
NE	.3	.4	1.1	1.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	1.7	7.6
ENE	.2	.2	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.8	7.3
E	.4	.4	1.3	1.4	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	2.0	2.1	8.0
ESE	.3	.3	2.9	3.0	.8	.8	.5	.5	.1	.1	.0	.0	.0	.0	.0	4.5	4.7	10.3
SE	.6	.7	6.6	6.9	1.9	1.9	1.0	1.0	.3	.4	.0	.0	.0	.0	.0	10.4	10.9	10.7
SSE	.2	.2	2.4	2.5	.9	1.0	.6	.7	.4	.4	.1	.1	.0	.0	.0	4.6	4.8	12.5
S	.3	.3	3.1	3.2	1.1	1.1	.9	1.0	.6	.6	.1	.1	.0	.0	.0	6.1	6.4	12.3
SSW	.1	.1	1.8	1.9	.6	.7	.6	.6	.3	.3	.0	.0	.0	.0	.0	3.4	3.6	12.4
SW	.6	.7	3.6	3.8	.7	.8	.5	.5	.2	.2	.0	.0	.0	.0	.0	5.7	5.9	9.7
WSW	.7	.7	5.3	5.6	.7	.7	.4	.4	.1	.1	.0	.0	.0	.0	.0	7.2	7.6	8.9
W	1.6	1.7	10.5	11.0	1.7	1.8	1.1	1.1	.4	.4	.1	.1	.0	.0	.0	15.3	16.1	9.1
WNW	.3	.3	4.4	4.6	1.6	1.7	1.3	1.4	.6	.6	.1	.1	.0	.0	.0	8.3	8.7	12.0
NW	.6	.6	3.2	3.3	.7	.7	.5	.6	.2	.2	.0	.0	.0	.0	.0	5.2	5.4	10.1
NNW	.2	.2	1.2	1.2	.3	.3	.2	.2	.1	.1	.0	.0	.0	.0	.0	1.8	1.9	10.1
CALM	13.5	14.2														13.5	14.2	
TOTAL	20.4	21.4	51.0	53.5	11.9	12.4	8.2	8.6	3.4	3.5	.5	.5	.1	.1	.1	95.4	100	8.8

CEILING-VISIBILITY
WIND GRAPH



BCE BRYCE CANYON, UT
CLASS 1 / NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1949-1975

STATION NAME: BCE BRYCE CANYON, UT

CLASS 1 / NIGHT

NO. OBS.: 33251

STATION NUMBER: 23159

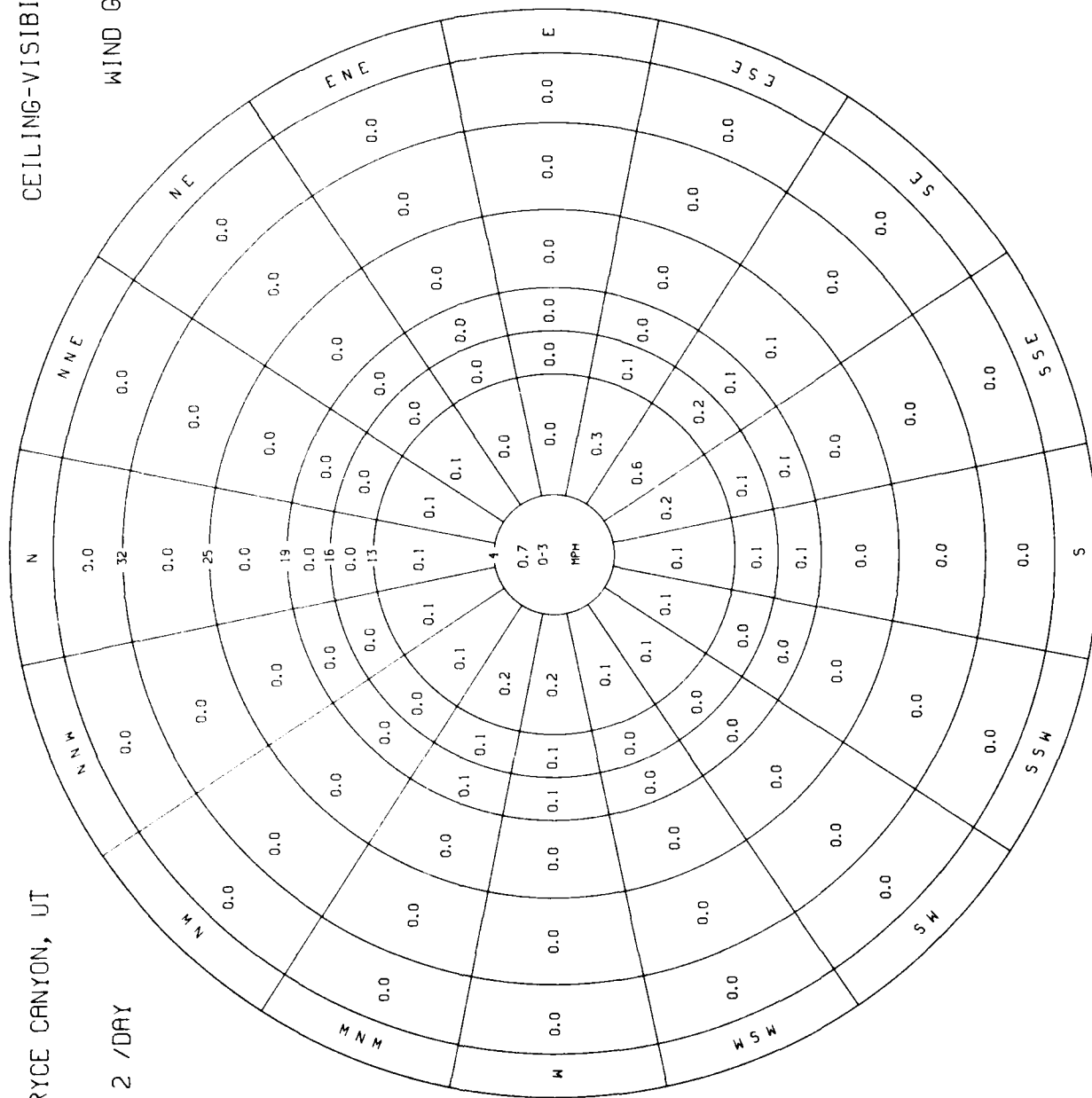
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
																C	D
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D
N	.2	.3	1.6	1.7	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.1	2.2	7.9
NNE	.2	.2	.7	.7	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.9	1.0	7.6
NE	.2	.2	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.6	6.4
ENE	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	5.9
E	.1	.1	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4	6.2
ESE	.1	.2	.5	.6	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.8	.8	7.5
SE	.3	.4	1.6	1.7	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.3	2.4	8.4
SSE	.2	.2	.9	1.0	.2	.2	.1	.1	.1	.1	.0	.0	.0	.0	1.5	1.5	9.5
S	.4	.4	2.0	2.1	.3	.3	.2	.2	.1	.1	.0	.0	.0	.0	2.9	3.1	9.0
SSW	.2	.2	1.1	1.2	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	1.6	1.7	8.5
SW	1.5	1.6	4.4	4.6	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	6.2	6.6	6.3
WSW	2.2	2.3	12.9	13.7	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	15.3	16.2	6.6
W	4.6	4.8	21.4	22.6	.6	.7	.3	.3	.1	.1	.0	.0	.0	.0	26.9	28.5	6.8
WNW	.6	.6	5.0	5.2	.9	.9	.4	.5	.1	.2	.0	.0	.0	.0	7.0	7.4	6.3
NW	.6	.7	3.4	3.6	.4	.4	.2	.2	.1	.1	.0	.0	.0	.0	4.8	5.0	8.3
NNW	.1	.1	1.3	1.4	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	1.7	1.8	8.7
CALM	19.5	20.6													19.5	20.6	
TOTAL	31.1	32.9	57.6	60.8	3.5	3.7	1.8	1.9	.6	.6	.1	.1	.0	.0	94.7	100	5.8

CEILING-VISIBILITY

WIND GRAPH

BCE BRYCE CANYON, UT

CLASS 2 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1949-1975

STATION NAME: BCE BRUCE CANYON, UT

CLASS 2 / DAY

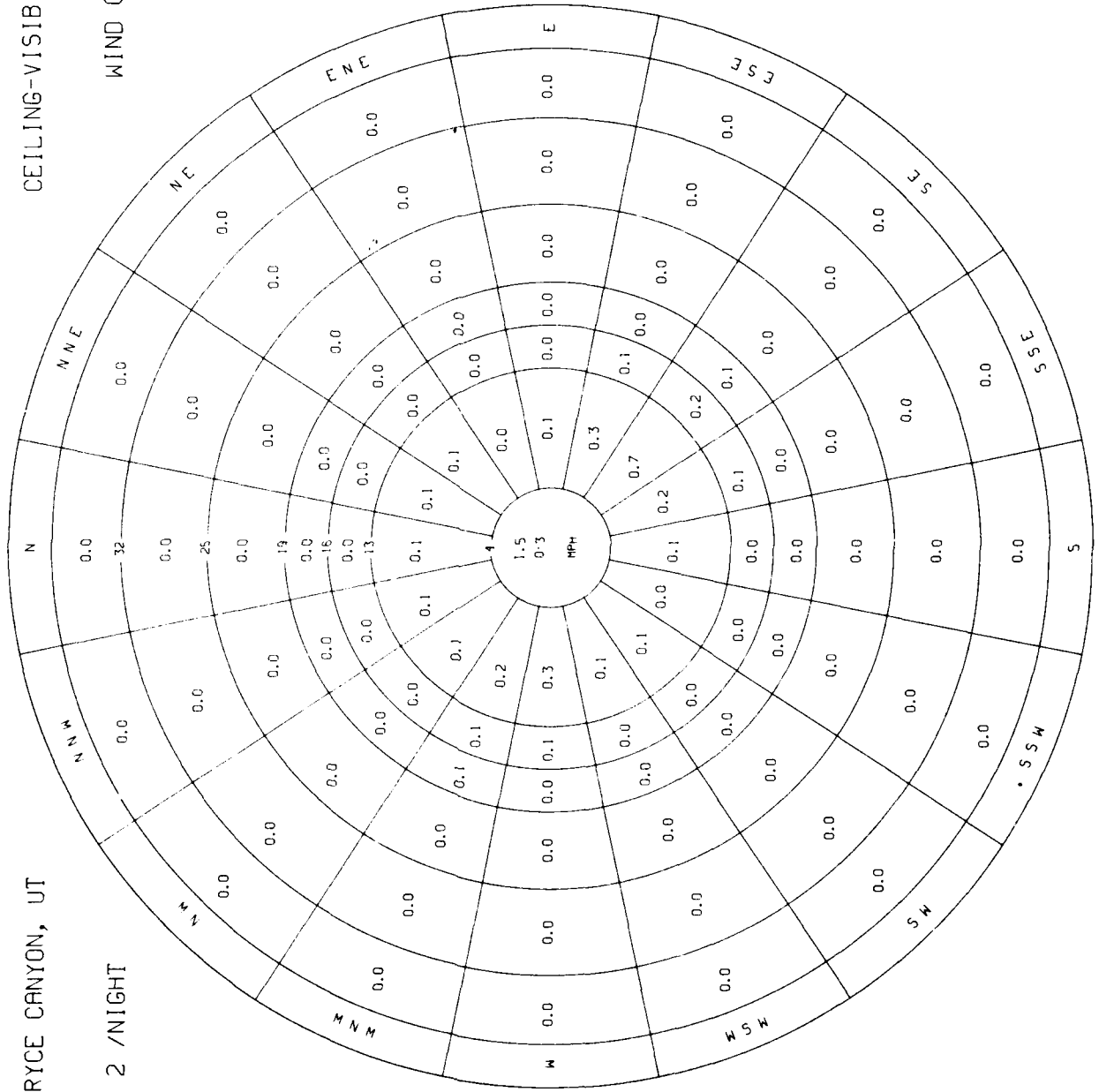
NO. OBS.: 1986

STATION NUMBER: 23159

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.0	.1	.1	1.4	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.1	1.8	9.8
NNE	.0	.3	.1	1.3	.0	.5	.0	.2	.0	.2	.0	.0	.0	.0	.1	2.4	10.3
NE	.0	.3	.1	1.4	.0	.1	.0	.3	.0	.1	.0	.0	.0	.0	.1	2.1	9.6
ENE	.0	.0	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.4	9.5
E	.0	.3	.0	.9	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.1	1.7	8.6
ESE	.0	.8	.3	6.2	.1	2.4	.0	1.0	.0	.4	.0	.1	.0	.0	.5	10.9	10.7
SE	.0	1.0	.6	14.2	.2	4.7	.1	2.8	.1	1.2	.0	.1	.0	.0	1.1	23.9	11.4
SSE	.0	.3	.2	3.7	.1	1.3	.1	1.6	.0	.5	.0	.0	.0	.1	.3	7.4	12.5
S	.0	.3	.1	3.2	.1	1.3	.1	1.1	.0	.6	.0	.0	.0	.1	.3	6.4	12.5
SSW	.0	.1	.1	1.4	.0	.6	.0	.4	.0	.2	.0	.0	.0	.0	.1	2.6	11.8
SW	.0	.4	.1	2.3	.0	.7	.0	.3	.0	.2	.0	.1	.0	.0	.2	3.9	10.3
WSW	.0	.3	.1	1.9	.0	.6	.0	.4	.0	.2	.0	.1	.0	.0	.2	3.4	10.9
W	.0	.8	.2	3.9	.1	1.3	.1	1.4	.0	.7	.0	.1	.0	.0	.4	8.1	11.5
WNW	.0	.2	.2	3.5	.1	1.8	.1	2.5	.0	1.1	.0	.2	.0	.0	.4	9.3	14.0
NW	.0	.1	.1	2.2	.0	.7	.0	.4	.0	.2	.0	.1	.0	.0	.2	3.5	10.9
NNW	.0	.1	.1	1.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.4	8.8
CALM	.5	11.0													.5	11.0	
TOTAL	.7	16.0	.2	48.8	.8	16.7	.6	12.6	.2	5.3	.0	.5	.0	.1	.4	6.100	10.2

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BCE BRICE CANYON, UT

PERIOD: 1949-1975

CLASS 2 / NIGHT

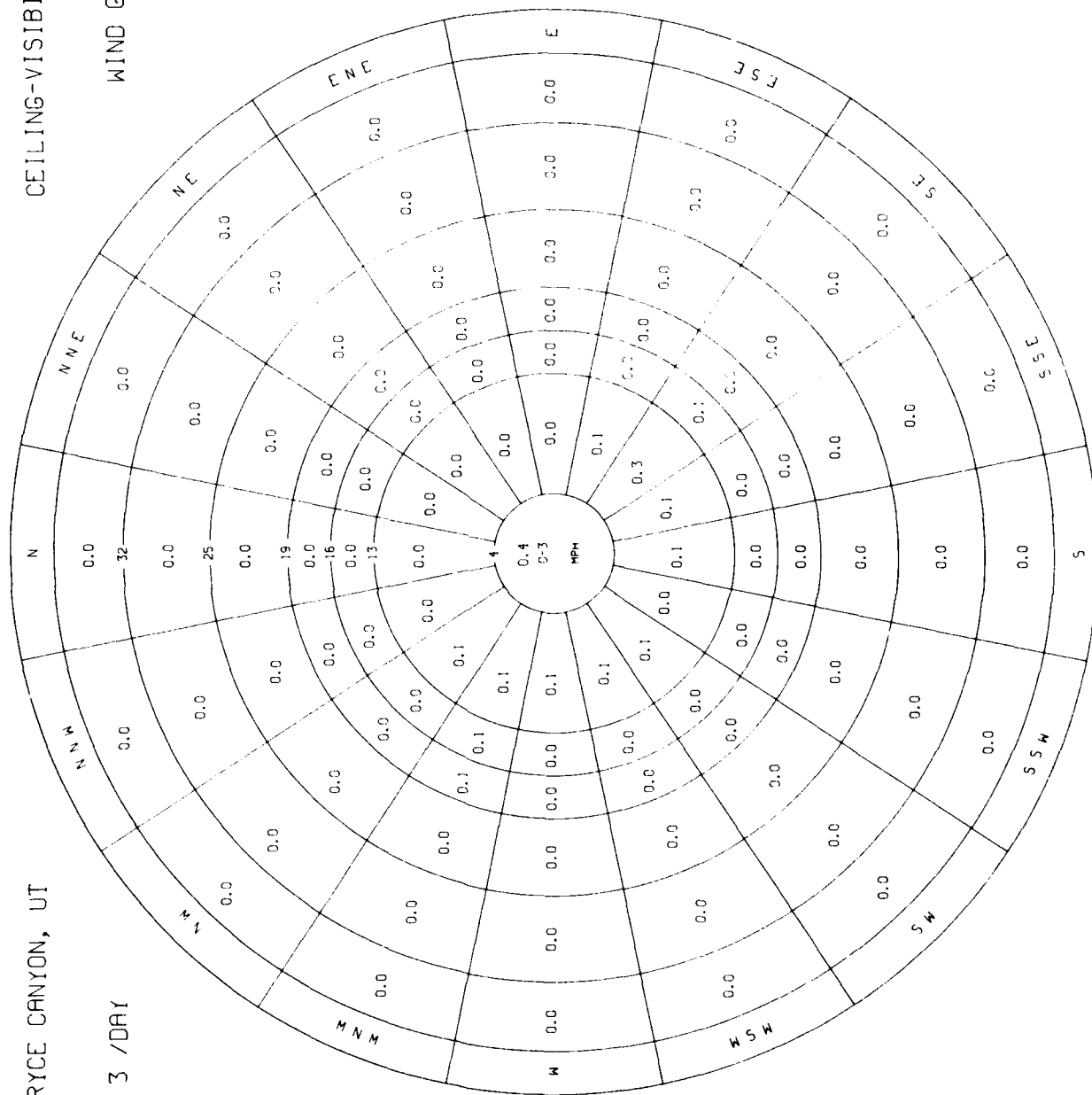
STATION NUMBER: 23159

NO. OBS.: 1868

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.0	.5	.1	1.6	.0	.4	.0	.2	.0	.1	.0	.0	.0	.1	.1	2.8	9.3
NNE	.0	.2	.1	1.4	.0	.4	.0	.2	.0	.1	.0	.1	.0	.0	.1	2.4	10.7
NE	.0	.4	.1	1.7	.0	.2	.0	.2	.0	.1	.0	.0	.0	.0	.1	2.6	9.4
ENE	.0	.2	.0	.4	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.6	6.4
E	.0	.4	.1	1.2	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.1	1.8	7.1
ESE	.1	1.4	.3	5.8	.1	1.3	.0	.5	.0	.2	.0	.0	.0	.1	.5	9.4	9.4
SE	.1	1.7	.7	13.1	.2	3.1	.1	1.1	.0	.6	.0	.0	.0	.0	1.0	19.6	9.7
SSE	.0	.1	.2	4.2	.1	1.3	.0	.3	.0	.4	.0	.0	.0	.0	.3	6.3	10.8
S	.0	.4	.1	2.0	.0	.4	.0	.5	.0	.4	.0	.1	.0	.1	.2	3.8	11.4
SSW	.0	.0	.0	.9	.0	.4	.0	.2	.0	.2	.0	.1	.0	.1	.1	1.9	13.0
SW	.0	.7	.1	1.6	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.1	2.7	7.9
WSW	.0	.5	.1	2.0	.0	.3	.0	.2	.0	.2	.0	.1	.0	.0	.2	3.3	9.0
W	.1	1.7	.3	5.9	.1	1.3	.0	.6	.0	.4	.0	.2	.0	.0	.5	10.2	9.3
WNW	.0	.4	.2	3.9	.1	1.7	.1	1.2	.0	.3	.0	.1	.0	.0	.4	7.5	11.4
NW	.0	.5	.1	2.3	.0	.4	.0	.5	.0	.2	.0	.1	.0	.0	.2	3.9	10.3
NNW	.0	.2	.1	1.0	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.1	1.4	9.8
CALM	1.1	19.8													1.1	19.8	
TOTAL	1.5	29.0	2.6	49.1	.6	11.6	.3	6.2	.2	3.3	.0	.6	.0	.2	5.3	100	7.9

BCE BRYCE CANYON, UT

CLASS 3 / DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1949-1975

STATION NAME: BCE BRUCE CANYON, UT

CLASS 3 / DAY

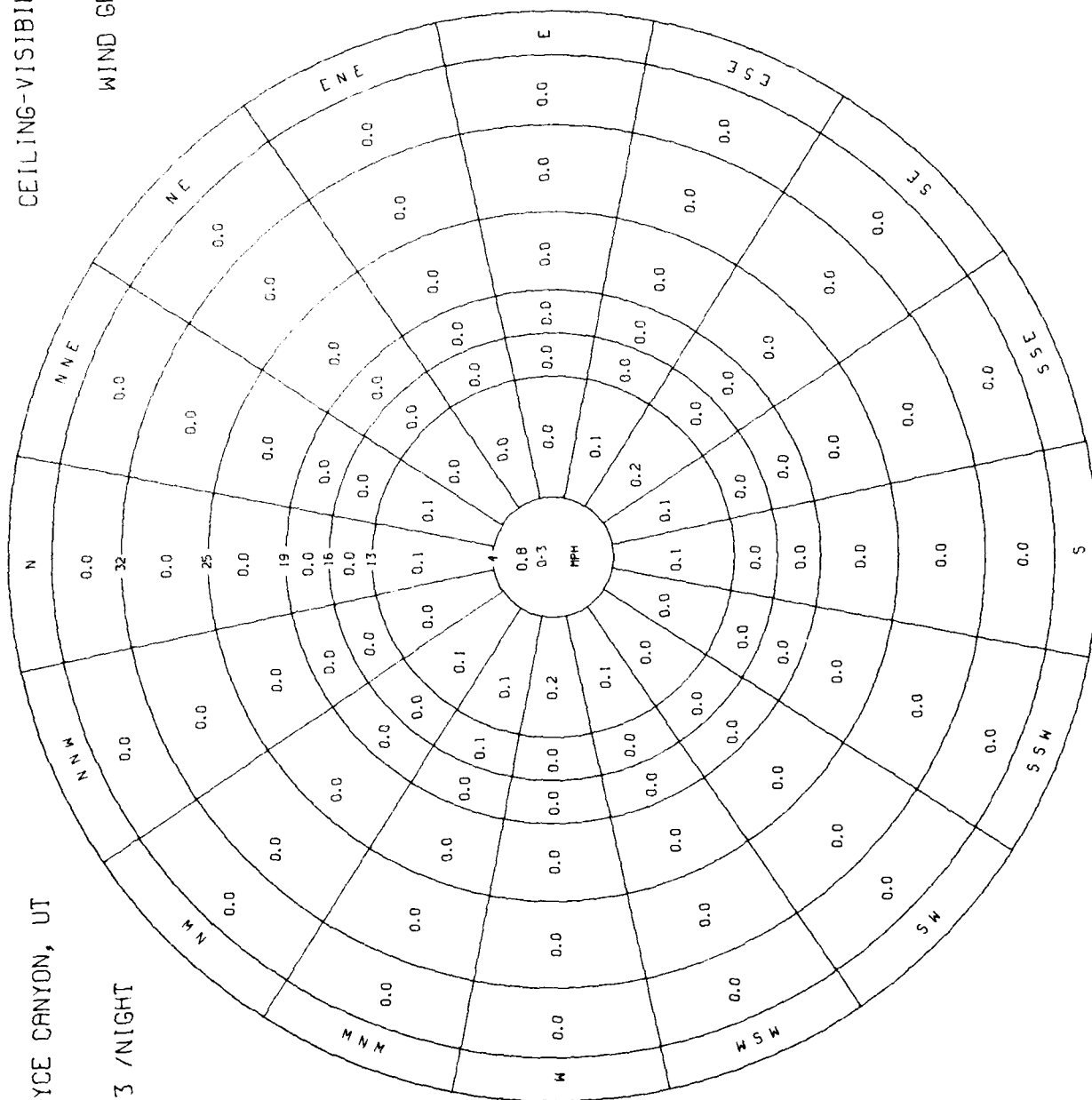
NO. OBS.: 1093

STATION NUMBER: 23159

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL				
															C		D		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B				C	D
N	.0	.1	.0	1.5	.0	.3	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	1.9	9.2
NNE	.0	.4	.0	1.6	.0	.5	.0	.1	.0	.2	.0	.0	.0	.0	.0	.0	.1	2.7	10.1
NE	.0	.3	.0	1.5	.0	.1	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.1	2.3	9.3
ENE	.0	.0	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	11.2
E	.0	.3	.0	.8	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	1.6	8.2
ESE	.0	.9	.1	4.9	.0	1.8	.0	.5	.0	.4	.0	.0	.0	.0	.0	.0	.2	8.6	10.1
SE	.0	1.0	.3	12.2	.1	2.8	.0	1.8	.0	.8	.0	.0	.0	.0	.0	.0	.5	18.7	10.8
SSE	.0	.4	.1	3.5	.0	1.2	.0	1.6	.0	.4	.0	.0	.0	.0	.0	.0	.2	7.0	12.4
S	.0	.3	.1	4.4	.0	1.1	.0	1.4	.0	.5	.0	.0	.0	.0	.0	.1	.2	7.7	12.2
SSW	.0	.1	.0	1.5	.0	.9	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.1	3.0	11.7
SW	.0	.2	.1	2.4	.0	.5	.0	.2	.0	.3	.0	.0	.0	.0	.0	.0	.1	3.6	10.7
WSW	.0	.3	.1	2.7	.0	.6	.0	.6	.0	.2	.0	.1	.0	.0	.0	.0	.1	4.5	11.1
W	.0	.8	.1	5.0	.0	1.5	.0	1.6	.0	.8	.0	.0	.0	.0	.0	.0	.2	9.8	11.5
WNW	.0	.2	.1	3.2	.1	2.2	.1	3.4	.0	1.4	.0	.1	.0	.0	.0	.0	.3	10.4	14.4
NW	.0	.1	.1	2.7	.0	.8	.0	.6	.0	.2	.0	.1	.0	.0	.0	.0	.1	4.5	11.5
NNW	.0	.1	.0	1.5	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	8.9
CALM	.3	11.7															.3	11.7	
TOTAL	.4	17.0	1.2	49.4	.4	14.9	.3	12.7	.1	5.6	.0	.3	.0	.1	.0	.0	2.5	100	10.1

BCE BRYCE CANYON, UT

CLASS 3 / NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BCE BRYCE CANYON, UT

PERIOD: 1949-1975

CLASS 3 / NIGHT

STATION NUMBER: 23159

NO. OBS.: 910

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.4	.1	2.0	.0	.7	.0	.4	.0	.1	.0	.0	.0	.1	.1 3.7
NNE	.0	.4	.1	2.2	.0	.5	.0	.3	.0	.0	.0	.0	.0	.0	.1 3.5
NE	.0	.4	.0	1.9	.0	.1	.0	.2	.0	.0	.0	.0	.0	.0	.1 2.6
ENE	.0	.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .7
E	.0	.3	.0	.9	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0 1.3
ESE	.0	1.3	.1	4.5	.0	.7	.0	.9	.0	.2	.0	.0	.0	.0	.2 7.6
SE	.0	1.9	.2	8.8	.0	1.1	.0	.9	.0	.4	.0	.0	.0	.0	.3 13.1
SSE	.0	.1	.1	3.7	.0	1.0	.0	.2	.0	.5	.0	.0	.0	.0	.1 5.6
S	.0	.3	.1	2.3	.0	.2	.0	.5	.0	.4	.0	.1	.0	.1	.1 4.1
SSW	.0	.0	.0	1.2	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.0 1.8
SW	.0	.8	.0	1.4	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.1 2.7
WSW	.0	.3	.1	2.2	.0	.3	.0	.3	.0	.1	.0	.1	.0	.0	.1 3.4
W	.1	2.0	.2	6.8	.0	1.9	.0	.7	.0	.4	.0	.3	.0	.0	.3 12.1
WNW	.0	.5	.1	5.4	.1	2.3	.0	1.6	.0	.3	.0	.1	.0	.0	.3 10.3
NW	.0	.7	.1	3.1	.0	.5	.0	.4	.0	.2	.0	.0	.0	.0	.1 4.9
NNW	.0	.3	.0	1.6	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.1 2.5
CALM	.5	20.0													.5 20.0
TOTAL	.8	30.3	1.3	48.2	.3	10.3	.2	7.3	.1	3.0	.0	.7	.0	.2	2.6 100 7.8

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BCE BRYCE CANYON, UT

PERIOD: 1949-1975

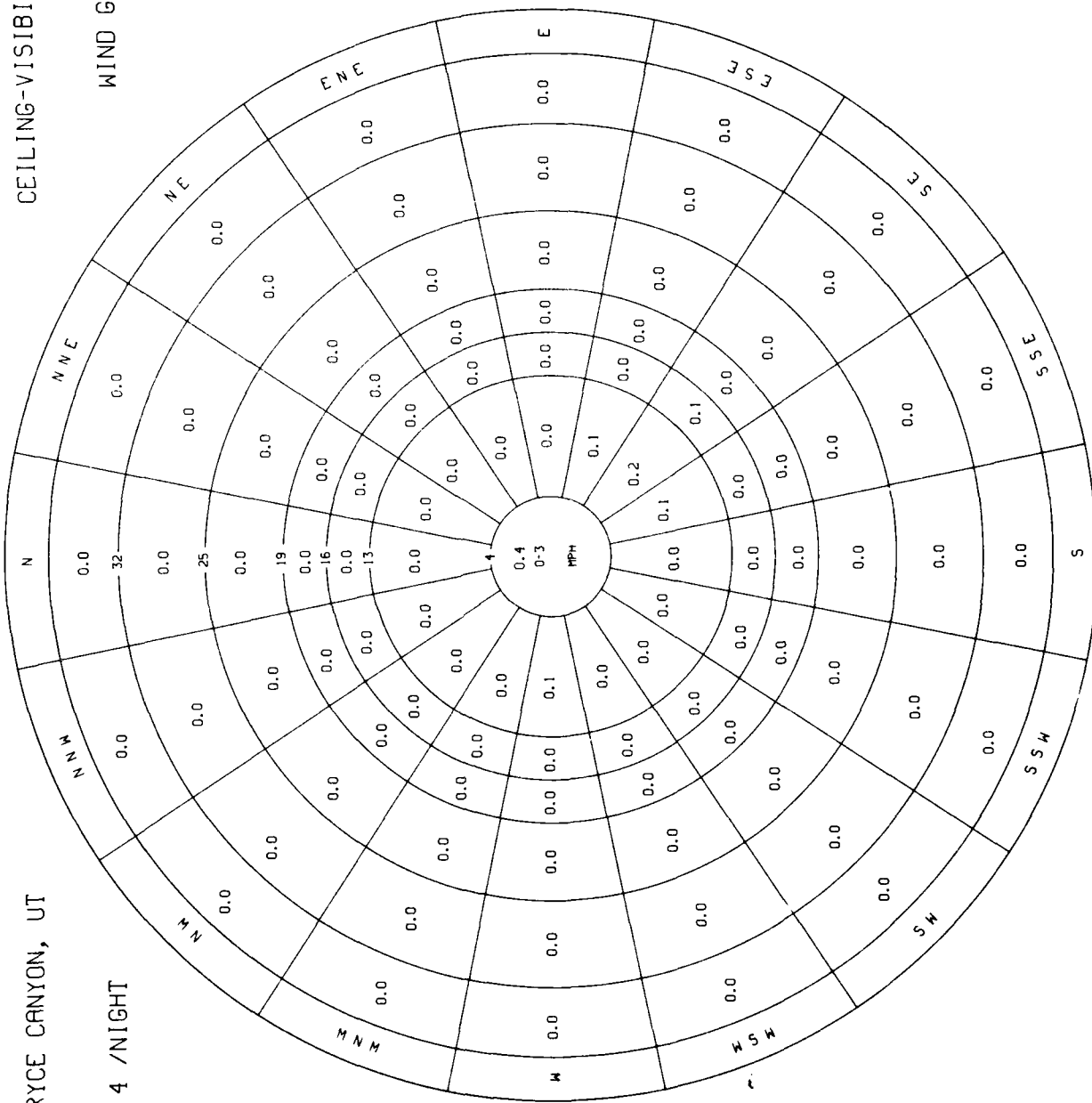
CLASS 4 / DAY

STATION NUMBER: 23159

NO. OBS.: 509

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.0	.0	1.6	.0	.4	.0	.2	.0	.0	.0	.0	.0	.0	2.2
NNE	.0	.4	.0	1.2	.0	.6	.0	.4	.0	.2	.0	.0	.0	.0	2.8
NE	.0	.2	.0	2.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	2.6
ENE	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6
E	.0	.0	.0	1.0	.0	.6	.0	.2	.0	.0	.0	.0	.0	.0	1.8
ESE	.0	.8	.1	7.1	.0	2.4	.0	1.8	.0	.4	.0	.0	.0	.1	12.4
SE	.0	.6	.1	12.0	.1	5.9	.0	3.9	.0	2.0	.0	.2	.0	.3	24.6
SSE	.0	.2	.0	2.4	.0	1.8	.0	1.6	.0	.6	.0	.0	.0	.1	6.7
S	.0	.2	.0	1.6	.0	1.8	.0	1.4	.0	1.0	.0	.0	.0	.1	5.9
SSW	.0	.0	.0	1.6	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	2.0
SW	.0	.6	.0	2.9	.0	1.2	.0	.4	.0	.0	.0	.2	.0	.1	5.3
WSW	.0	.2	.0	1.4	.0	.8	.0	.0	.0	.2	.0	.0	.0	.0	2.6
W	.0	1.0	.0	3.7	.0	1.4	.0	1.4	.0	.2	.0	.0	.0	.1	7.7
WNW	.0	.2	.1	5.1	.0	2.2	.0	2.2	.0	.2	.0	.4	.0	.1	10.2
NW	.0	.2	.0	2.4	.0	.6	.0	.0	.0	.4	.0	.0	.0	.0	3.5
NNW	.0	.2	.0	.8	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	1.2
CALM	.1	8.3												.1	8.3
TOTAL	.2	13.0	.6	47.2	.2	19.6	.2	14.1	.1	5.1	.0	.8	.0	.2	100

CEILING-VISIBILITY
WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BCE BRYCE CANYON, UT

PERIOD: 1949-1975

CLASS 4 / NIGHT

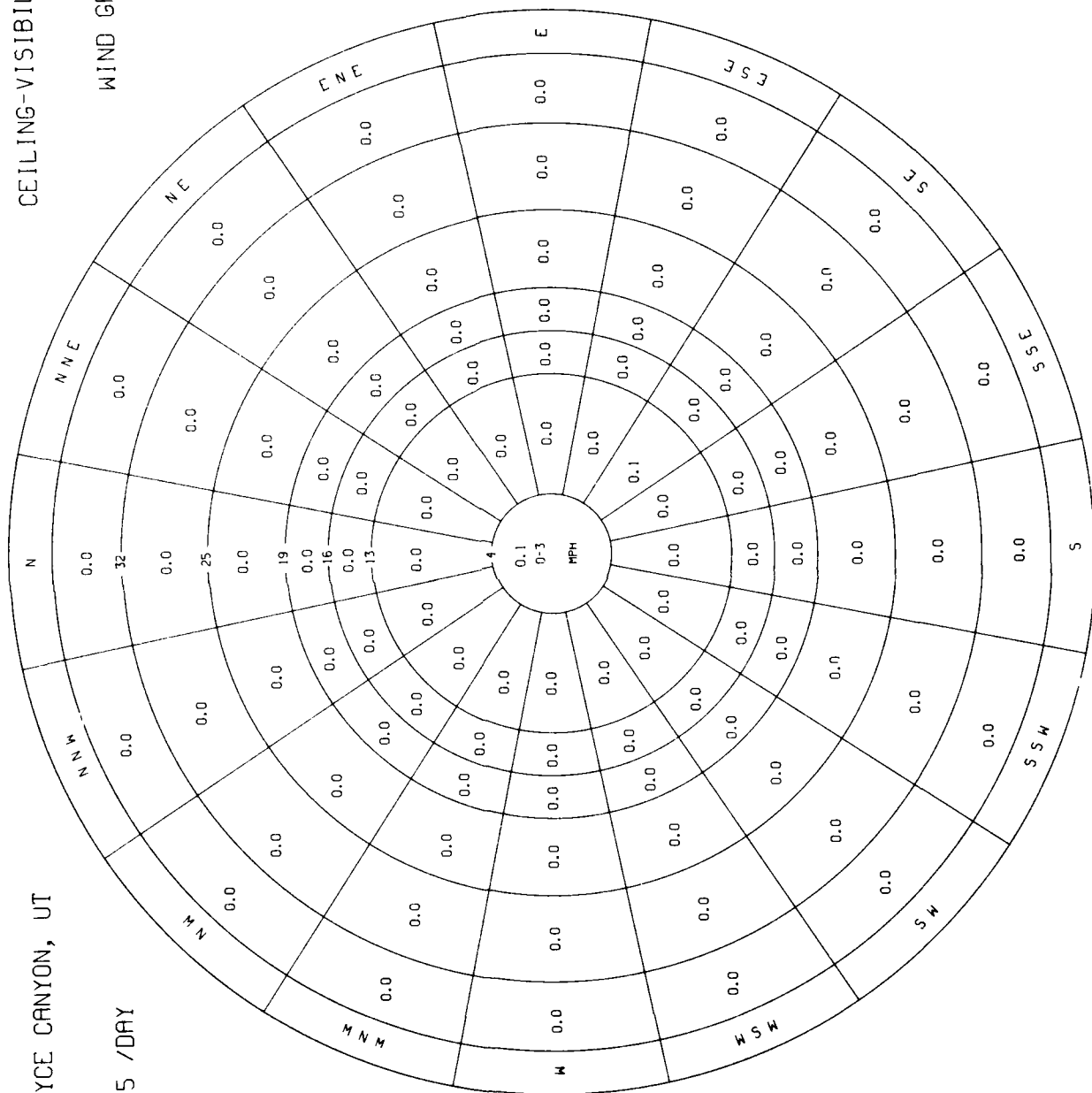
STATION NUMBER: 23159

NO. OBS.: 519

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.8	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.5
NNE	.0	.0	.0	1.3	.0	.2	.0	.2	.0	.0	.0	.4	.0	.0	.0 2.1
NE	.0	.6	.0	1.9	.0	.4	.0	.2	.0	.0	.0	.0	.0	.0	.0 3.1
ENE	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .8
E	.0	.6	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.5
ESE	.0	1.7	.1	6.7	.0	1.3	.0	.2	.0	.4	.0	.0	.0	.0	.2 10.4
SE	.0	1.3	.2	16.0	.1	4.4	.0	2.3	.0	.8	.0	.0	.0	.0	.4 24.9
SSE	.0	.0	.1	4.2	.0	1.3	.0	.6	.0	.4	.0	.0	.0	.0	.1 6.6
S	.0	.2	.0	1.7	.0	1.0	.0	.0	.0	.2	.0	.0	.0	.0	.0 3.1
SSW	.0	.0	.0	1.2	.0	.8	.0	.4	.0	.8	.0	.0	.0	.0	.0 3.1
SW	.0	.4	.0	1.7	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0 2.5
WSW	.0	1.2	.0	1.7	.0	.2	.0	.2	.0	.2	.0	.2	.0	.0	.1 3.7
W	.0	1.9	.1	5.4	.0	1.0	.0	.4	.0	.4	.0	.2	.0	.0	.1 9.2
WNW	.0	.2	.0	3.3	.0	1.0	.0	.8	.0	.2	.0	.0	.0	.0	.1 5.4
NW	.0	.2	.0	2.1	.0	.2	.0	.8	.0	.2	.0	.0	.0	.0	.1 3.5
NNW	.0	.0	.0	.4	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0 .6
CALM	.2	16.2													.2 16.2
TOTAL	.4	25.2	.8	52.2	.2	11.8	.1	6.4	.1	3.7	.0	.8	.0	.0	1.5 100
															8.4

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1949-1975

STATION NAME: BCE BRUCE CANYON, UT

CLASS 5 / DAY

NO. OBS.: 219

STATION NUMBER: 23159

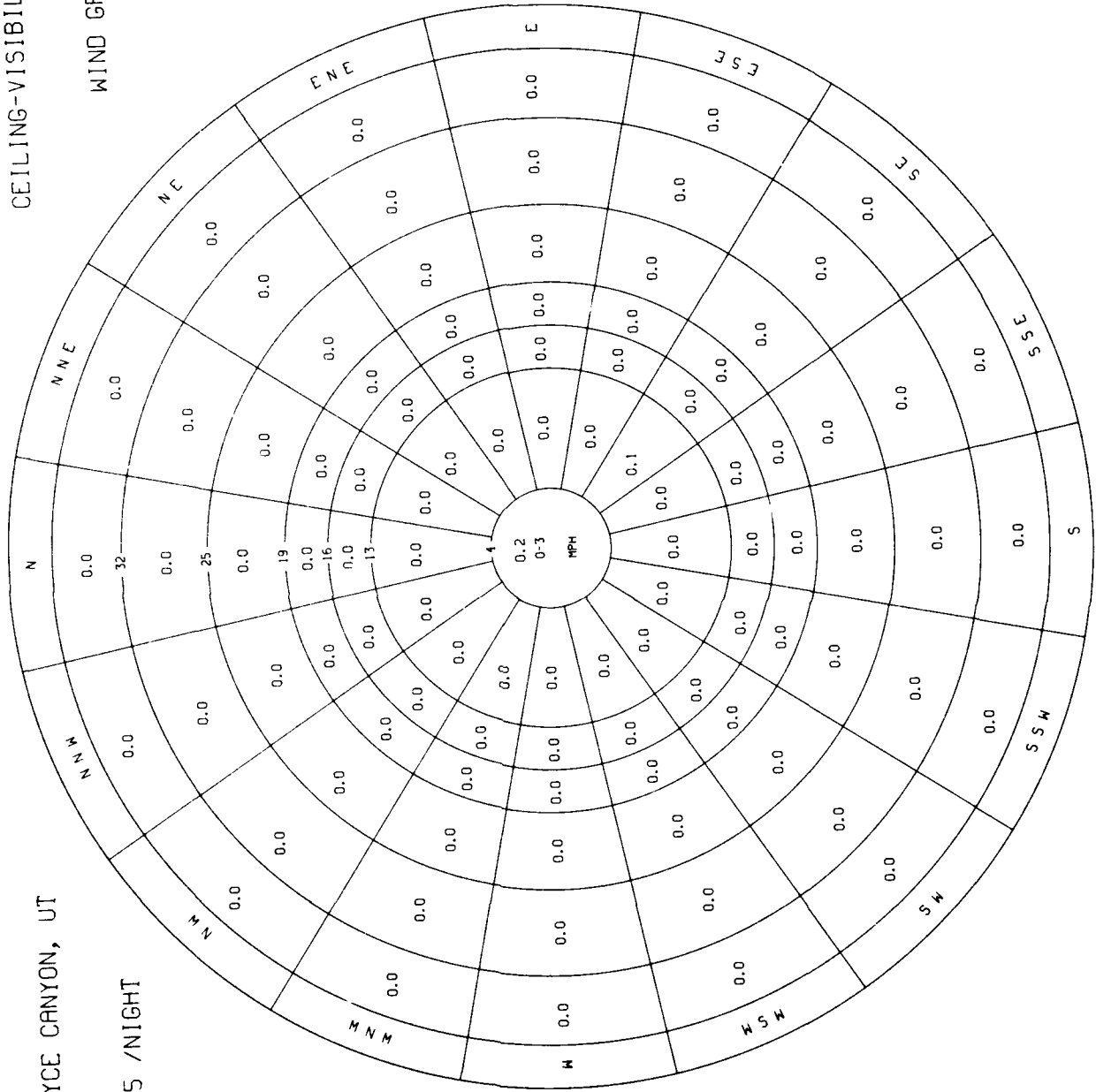
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5
NNE	.0	.0	.0	.5	.0	.9	.0	.5	.0	.0	.0	.0	.0	.0	1.8
NE	.0	.5	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4
ENE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.9	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	1.4
ESE	.0	.0	.0	9.1	.0	3.2	.0	2.3	.0	.5	.0	.0	.0	.0	15.1
SE	.0	.9	.1	17.4	.0	8.2	.0	4.1	.0	2.3	.0	.0	.0	.0	32.9
SSE	.0	.0	.0	6.8	.0	1.8	.0	2.7	.0	.9	.0	.0	.0	.0	12.3
S	.0	.0	.0	1.4	.0	2.3	.0	.0	.0	.5	.0	.0	.0	.0	4.1
SSW	.0	.0	.0	1.4	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	2.7
SW	.0	.9	.0	1.4	.0	.9	.0	.5	.0	.0	.0	.0	.0	.0	3.7
WSW	.0	.0	.0	.5	.0	.5	.0	.0	.0	.5	.0	.0	.0	.0	1.4
W	.0	.5	.0	1.4	.0	.5	.0	1.4	.0	.5	.0	.5	.0	.0	4.6
WNW	.0	.0	.0	2.7	.0	.5	.0	.9	.0	1.4	.0	.0	.0	.0	5.5
NW	.0	.0	.0	.9	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	1.4
NNW	.0	.0	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.9
CALM	.1	10.5													10.5
TOTAL	.1	13.2	.2	46.1	.1	19.6	.1	14.2	.0	6.4	.0	.5	.0	.0	10.7

BCE BRYCE CANYON, UT

WIND GRAPH

CLASS 5 /NIGHT

CLASS 5 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1949-1975

STATION NAME: BCE BRYCE CANYON, UT

CLASS 5 / NIGHT

NO. OBS.: 237

STATION NUMBER: 23159

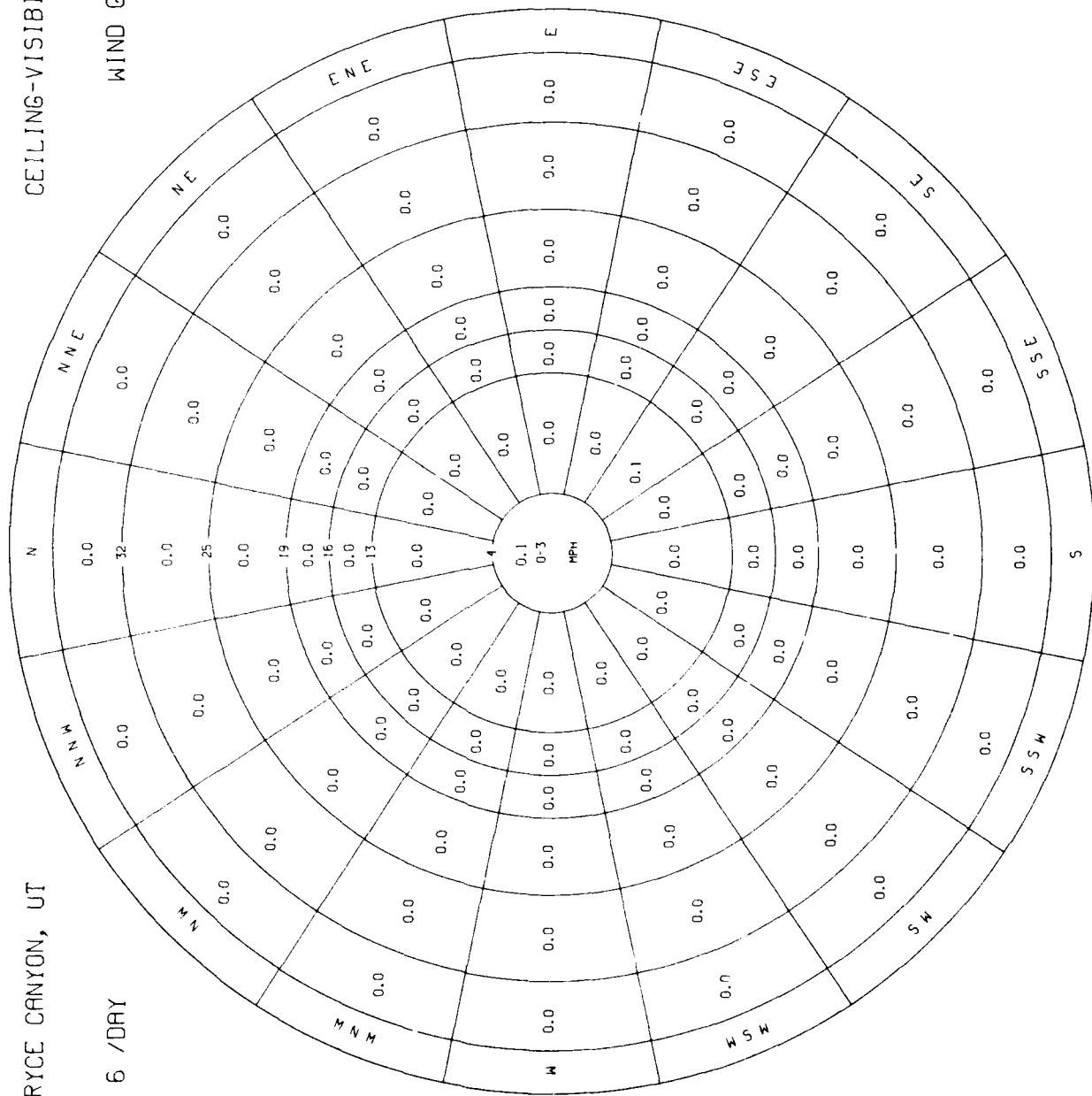
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D		
N	.0	.4	.0	1.3	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	
NNE	.0	.0	.0	.0	.0	.4	.0	.0	.0	.4	.0	.0	.0	.0	.0	.8	
NE	.0	.0	.0	1.7	.0	.4	.0	.4	.0	.8	.0	.0	.0	.0	.0	3.4	
ENE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
E	.0	.4	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	
ESE	.0	.8	.0	6.8	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.1	10.1	
SE	.0	1.7	.0	18.1	.0	5.1	.0	.4	.0	.8	.0	.0	.0	.0	.2	26.2	
SSE	.0	.4	.0	3.4	.0	1.3	.0	.4	.0	.4	.0	.0	.0	.0	.0	5.9	
S	.0	.0	.0	2.1	.0	.4	.0	.8	.0	.4	.0	.0	.0	.0	.0	3.8	
SSW	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.4	.0	.0	.0	.0	.8	
SW	.0	.4	.0	2.5	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	
WSW	.0	.0	.0	1.3	.0	.8	.0	.0	.0	.4	.0	.0	.0	.0	.0	2.5	
W	.0	.8	.0	6.3	.0	.8	.0	.8	.0	.4	.0	.0	.0	.0	.1	9.3	
WNW	.0	.0	.0	1.7	.0	1.3	.0	1.3	.0	.0	.0	.0	.0	.0	.0	4.2	
NW	.0	.0	.0	1.3	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	
NNW	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	
CALM	.2	23.2													.2	23.2	
TOTAL	.2	28.3	.3	48.5	.1	14.8	.0	4.2	.0	3.8	.0	.4	.0	.0	.7	100	
																7.9	

CEILING-VISIBILITY

WIND GRAPH

BCE BRYCE CANYON, UT

CLASS 6 /DAY



ANNUAL

STATION NAME: ELE BRUCE CANYON, UT

PERIOD: 1949-1975

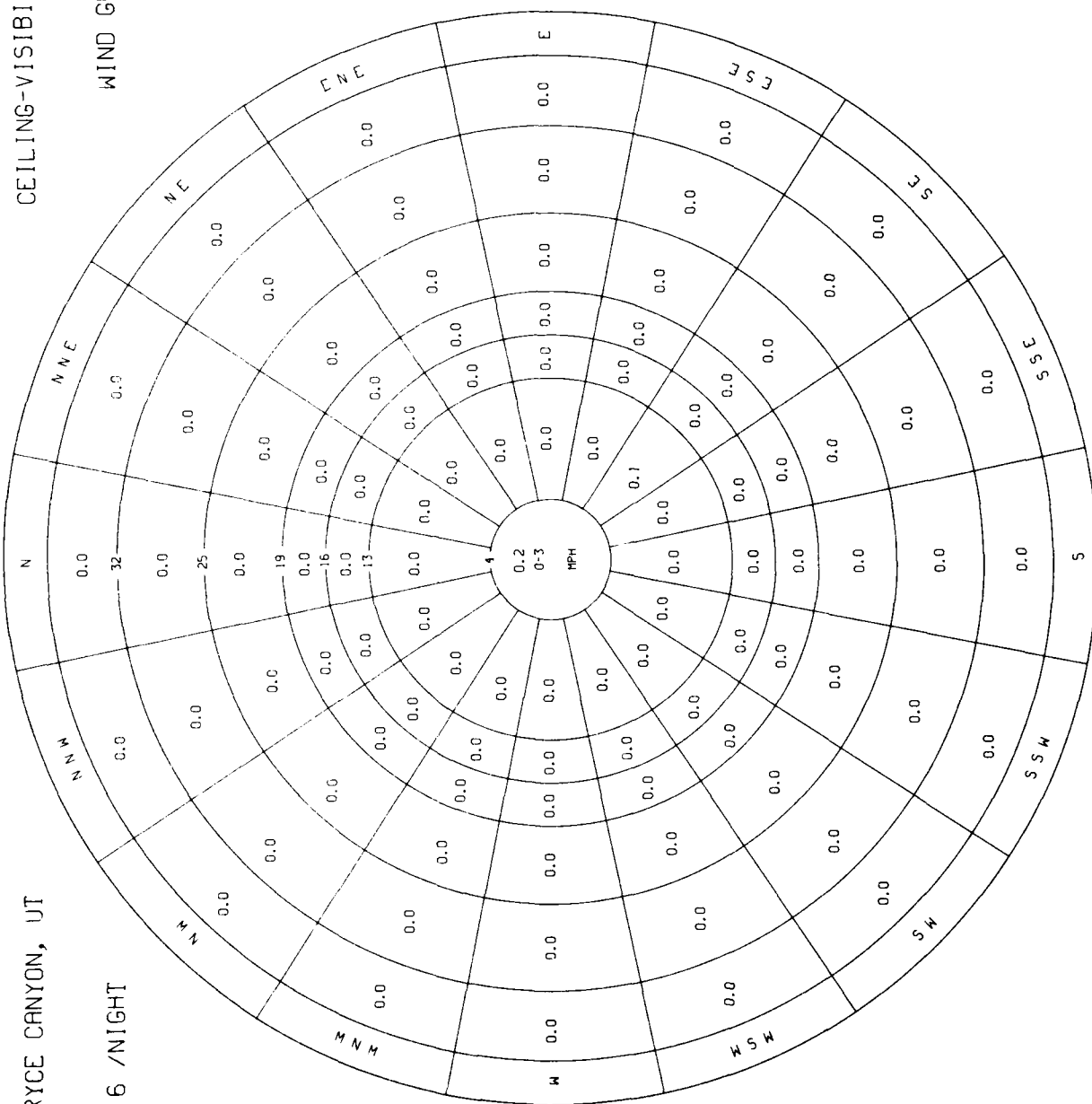
CLASS 6 / DAY

STATION NUMBER: 23159

NO.	OBS.:	165
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D I R	SPEED GROUPS (MPH)														AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	C	D		
N	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	8.0
NNE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
ENE	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	8.0
E	.0	1.8	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	4.6
ESE	.0	.6	.0	8.5	.0	5.5	.0	.0	.0	.6	.0	.6	.0	.0	1 15.8	11.8
SE	.0	1.8	.1	30.3	.0	9.1	.0	3.6	.0	.0	.0	.0	.0	.0	2 44.8	10.3
SSE	.0	.0	.0	4.8	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	5.5	9.7
S	.0	.6	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	7.4
SSW	.0	.0	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	1.2	13.0
SW	.0	.6	.0	.6	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	1.8	9.7
WSW	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	4.5
W	.0	.6	.0	.0	.0	.6	.0	.0	.0	1.2	.0	.0	.0	.0	2.4	14.5
WNW	.0	.0	.0	1.8	.0	.0	.0	.0	.0	1.2	.0	.6	.0	.0	3.6	16.5
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NNW	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	5.0
CALM	.1	15.2												.1	15.2	
TOTAL	.1	21.8	.2	53.3	.1	15.8	.0	4.8	.0	3.0	.0	1.2	.0	.0	4 100	8.9

CEILING-VISIBILITY
WIND GRAPH



BCE BRYCE CANYON, UT
CLASS 6 / NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1949-1975

STATION NAME: BOE BRIDGE CANYON, UT

CLASS 6 / NIGHT

NO. OBS.: 202

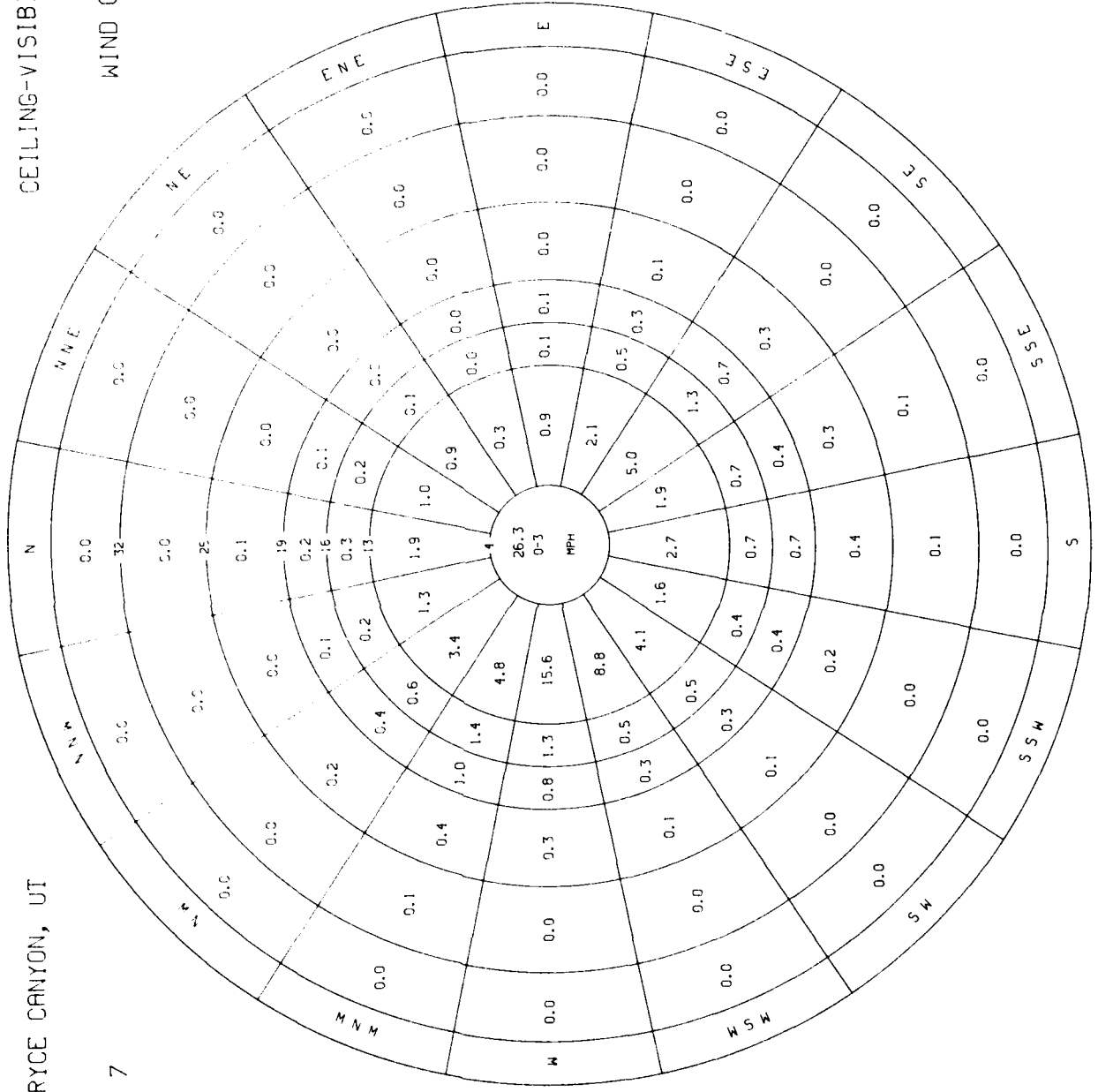
STATION NUMBER: 23159

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NNE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	6.0
ENE	.0	.0	.0	.5	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	1.0	12.0
E	.0	.5	.0	.5	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	1.5	9.3
ESE	.0	2.0	.0	8.4	.0	2.5	.0	.5	.0	.0	.0	.0	.0	.5	.1	13.9	10.1
SE	.0	2.0	.1	18.8	.0	6.4	.0	.0	.0	1.0	.0	.0	.0	.0	.2	28.2	9.8
SSE	.0	.0	.0	6.9	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.1	9.4	9.5
S	.0	1.5	.0	1.5	.0	.0	.0	1.0	.0	.0	.5	.0	.0	.0	.0	4.5	9.8
SSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.5	32.0
SW	.0	1.5	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	5.0
WSW	.0	.0	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	5.8
W	.0	.5	.0	3.0	.0	.5	.0	.5	.0	.5	.0	.0	.0	.0	.0	5.0	9.0
WNW	.0	1.0	.0	1.5	.0	1.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	4.0	10.1
NW	.0	1.0	.0	.5	.0	.5	.0	.5	.0	.0	.5	.0	.0	.0	.0	3.0	12.0
NNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.1	23.8													.1	23.8	
TOTAL	.2	33.7	.3	45.5	.1	13.4	.0	3.0	.0	3.0	.0	.5	.0	1.0	.6	100	7.4

CEILING-VISIBILITY
WIND GRAPH

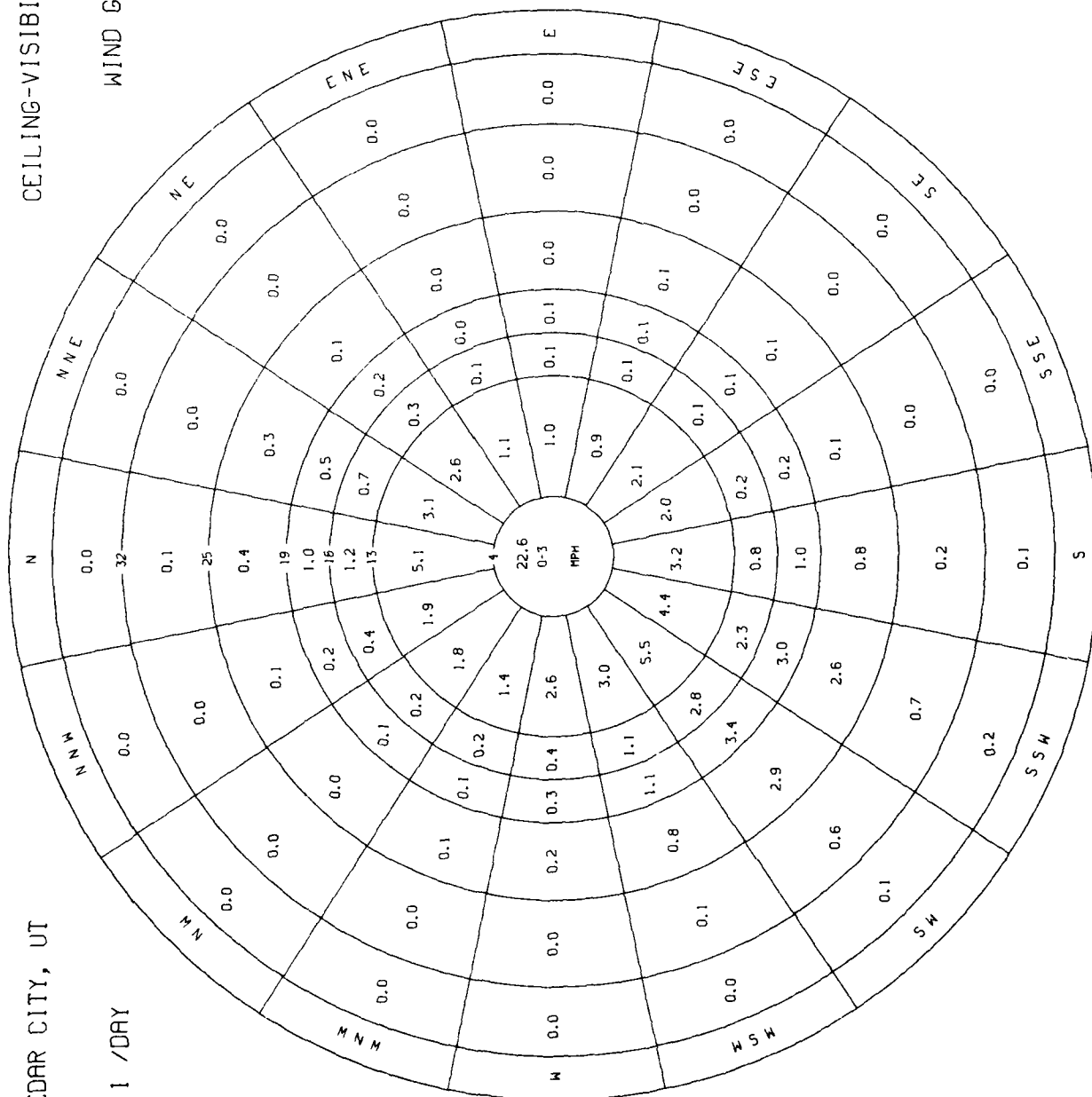
BCE BRYCE CANYON, UT

CLASS 7



CDC CEDAR CITY, UT

CLASS 1 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CDC CEDAR CITY, UT

PERIOD: 1949-1978

CLASS 1 / DAY

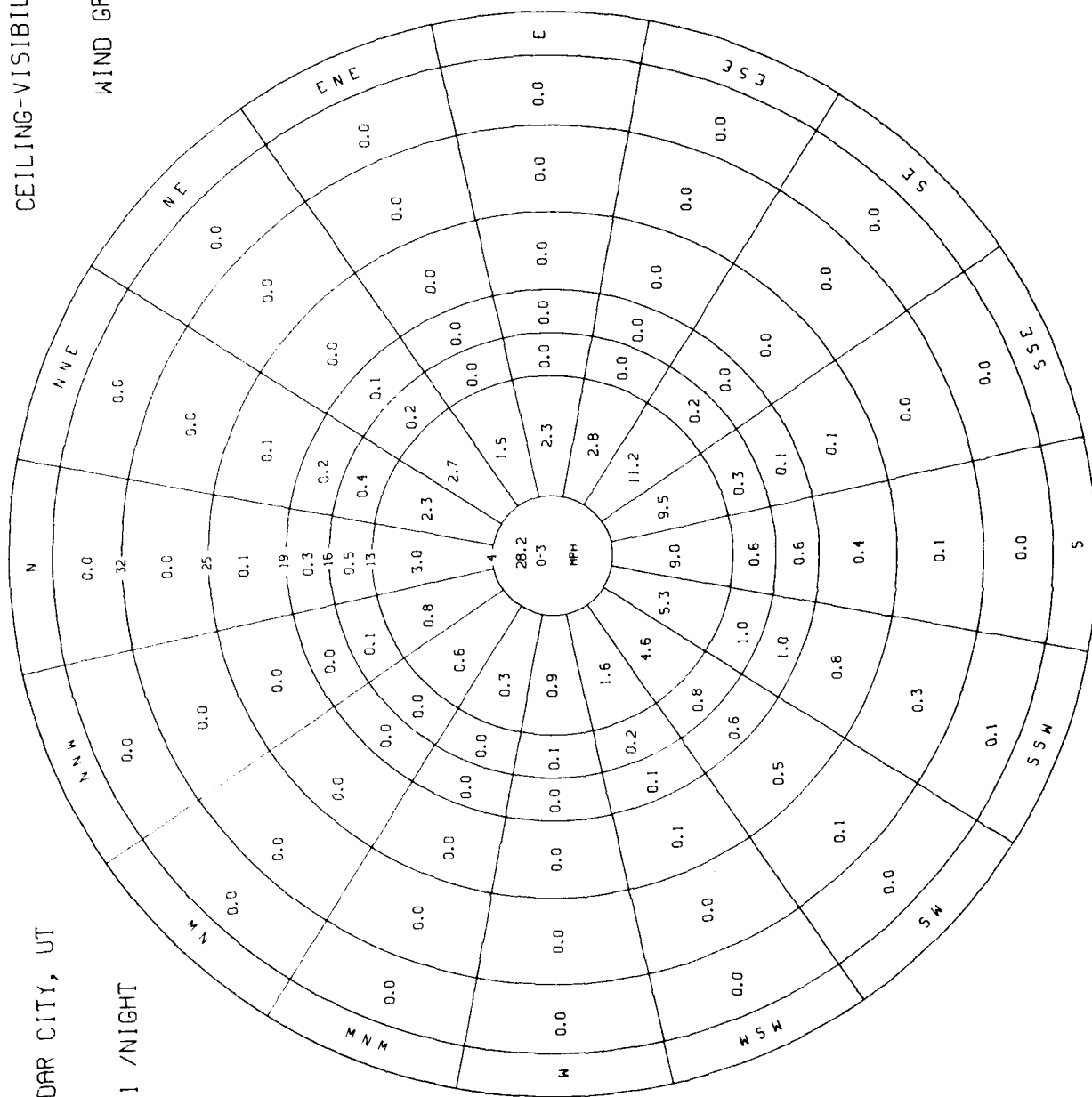
STATION NUMBER: 93129

NO. OBS.: 48180

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.6	.6	5.1	5.2	1.2	1.2	1.0	1.0	.4	.4	.1	.1	.0	.0	8.3 8.5 10.4
NNE	.3	.3	3.1	3.2	.7	.8	.5	.5	.3	.3	.0	.0	.0	.0	5.0 5.1 10.4
NNE	.4	.4	2.6	2.7	.3	.3	.2	.2	.1	.1	.0	.0	.0	.0	3.7 3.8 8.4
ENE	.2	.2	1.1	1.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.4 1.4 7.5
E	.2	.2	1.0	1.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	1.4 1.4 7.6
ESE	.1	.1	.9	1.0	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	1.3 1.3 8.7
SE	.2	.2	2.1	2.2	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	2.7 2.8 8.2
SSE	.2	.2	2.0	2.1	.2	.2	.2	.2	.1	.1	.0	.0	.0	.0	2.7 2.8 9.4
S	.2	.2	3.2	3.3	.8	.8	1.0	1.0	.8	.8	.2	.2	.1	.1	6.3 6.4 12.8
SSW	.1	.1	4.4	4.5	2.3	2.4	3.0	3.1	2.6	2.6	.7	.8	.2	.2	13.4 13.7 15.5
SW	.3	.3	5.5	5.6	2.8	2.9	3.4	3.5	2.9	2.9	.6	.7	.1	.1	15.7 16.0 14.8
WSW	.2	.2	3.0	3.1	1.1	1.1	1.1	1.1	.8	.8	.1	.1	.0	.0	6.4 6.5 12.9
W	.3	.3	2.6	2.6	.4	.4	.3	.3	.2	.2	.0	.0	.0	.0	3.8 3.9 9.5
WNW	.2	.2	1.4	1.5	.2	.2	.1	.1	.1	.1	.0	.0	.0	.0	2.0 2.0 8.9
NW	.3	.3	1.8	1.8	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.4 2.4 8.2
NNW	.2	.2	1.9	2.0	.4	.4	.2	.2	.1	.1	.0	.0	.0	.0	2.7 2.8 9.5
CALM	18.7	19.1													18.7 19.1
TOTAL	22.6	23.1	41.9	42.9	10.9	11.1	11.3	11.6	8.5	8.7	2.0	2.0	.5	.5	97.6 100 9.7

CEILING-VISIBILITY WIND GRAPH

CDC CEDAR CITY, UT
CLASS 1 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1949-1978

STATION NAME: CDC CEDAR CITY, UT

CLASS 1 / NIGHT

NO. OBS.: 37184

STATION NUMBER: 93129

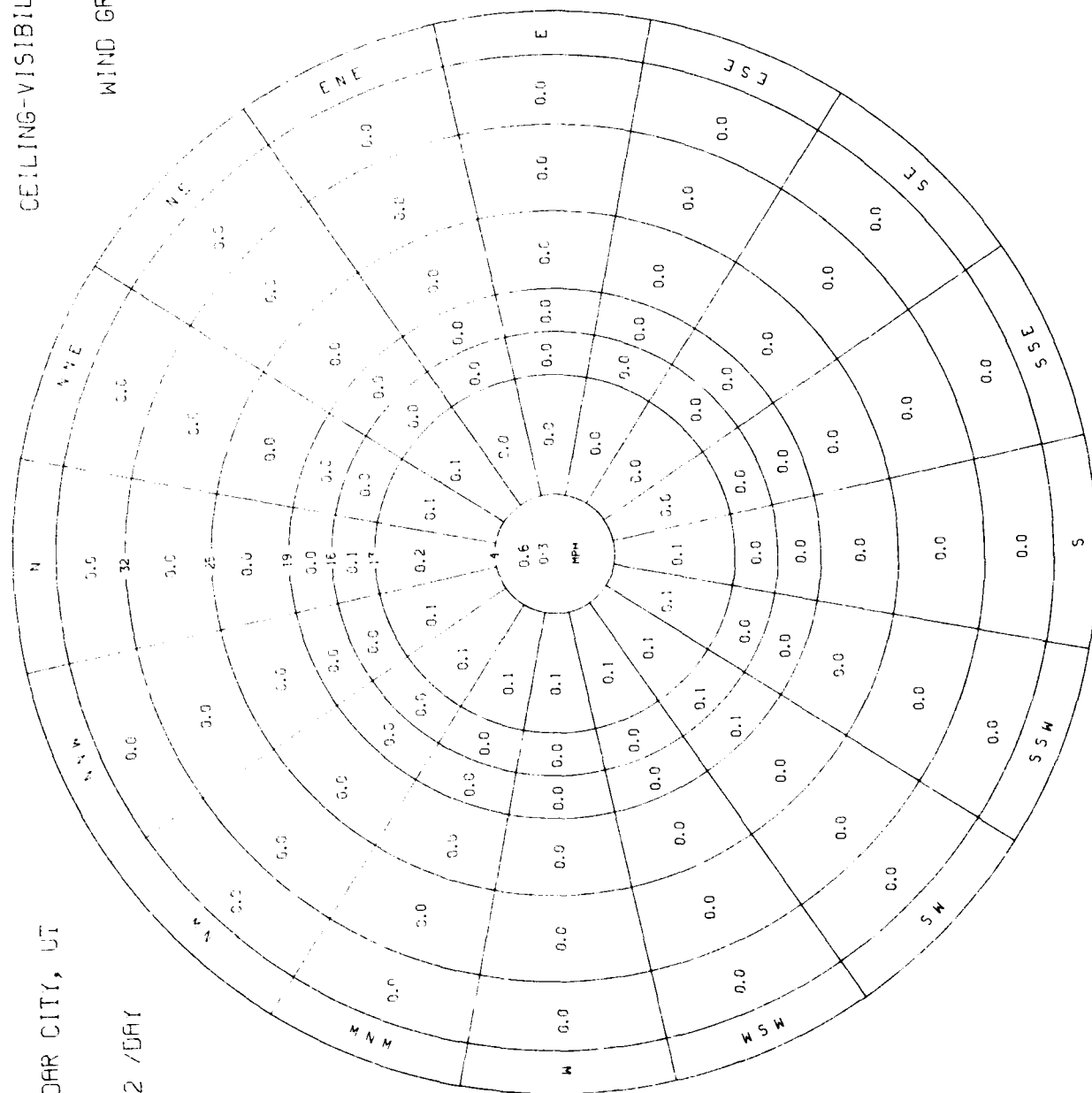
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.2	.2	3.0	3.1	.5	.5	.3	.3	.1	.1	.0	.0	.0	.0	4.0	4.2	9.6
NNE	.1	.2	2.3	2.4	.4	.4	.2	.2	.1	.1	.0	.0	.0	.0	3.1	3.2	9.3
NE	.3	.3	2.7	2.8	.2	.2	.1	.1	.0	.1	.0	.0	.0	.0	3.3	3.4	7.9
ENE	.2	.2	1.5	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	1.8	6.8
E	.4	.4	2.3	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	2.8	6.4
ESE	.4	.4	2.8	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	3.3	6.8
SE	.8	.8	11.2	11.6	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	12.3	12.7	7.5
SSE	.7	.7	9.5	9.8	.3	.3	.1	.1	.1	.1	.0	.0	.0	.0	10.6	11.0	7.6
S	.8	.9	9.0	9.2	.6	.7	.6	.6	.4	.4	.1	.1	.0	.0	11.5	11.9	8.7
SSW	.3	.3	5.3	5.4	1.0	1.0	1.0	1.1	.8	.8	.3	.3	.1	.1	8.7	9.0	11.9
SW	.4	.4	4.6	4.8	.8	.8	.6	.6	.5	.5	.1	.1	.0	.0	7.1	7.3	10.4
WSW	.1	.1	1.6	1.6	.2	.2	.1	.1	.1	.1	.0	.0	.0	.0	2.1	2.2	9.2
W	.1	.1	.9	.9	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.1	1.2	7.3
WNW	.1	.1	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.5	7.7
NW	.1	.1	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.7	7.2
NNW	.0	.0	.8	.8	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	8.7
CALM	23.3	24.0													23.3	24.0	
TOTAL	28.2	29.1	58.3	60.1	4.5	4.6	3.2	3.3	2.1	2.1	.6	.6	.2	.2	97.1	100	6.6

CEILING-VISIBILITY

WIND GRAPH

CCC CEDAR CITY, UT

CLASS 2 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CDC CEDAR CITY, UT

PERIOD: 1949-1978

CLASS 2 / DAY

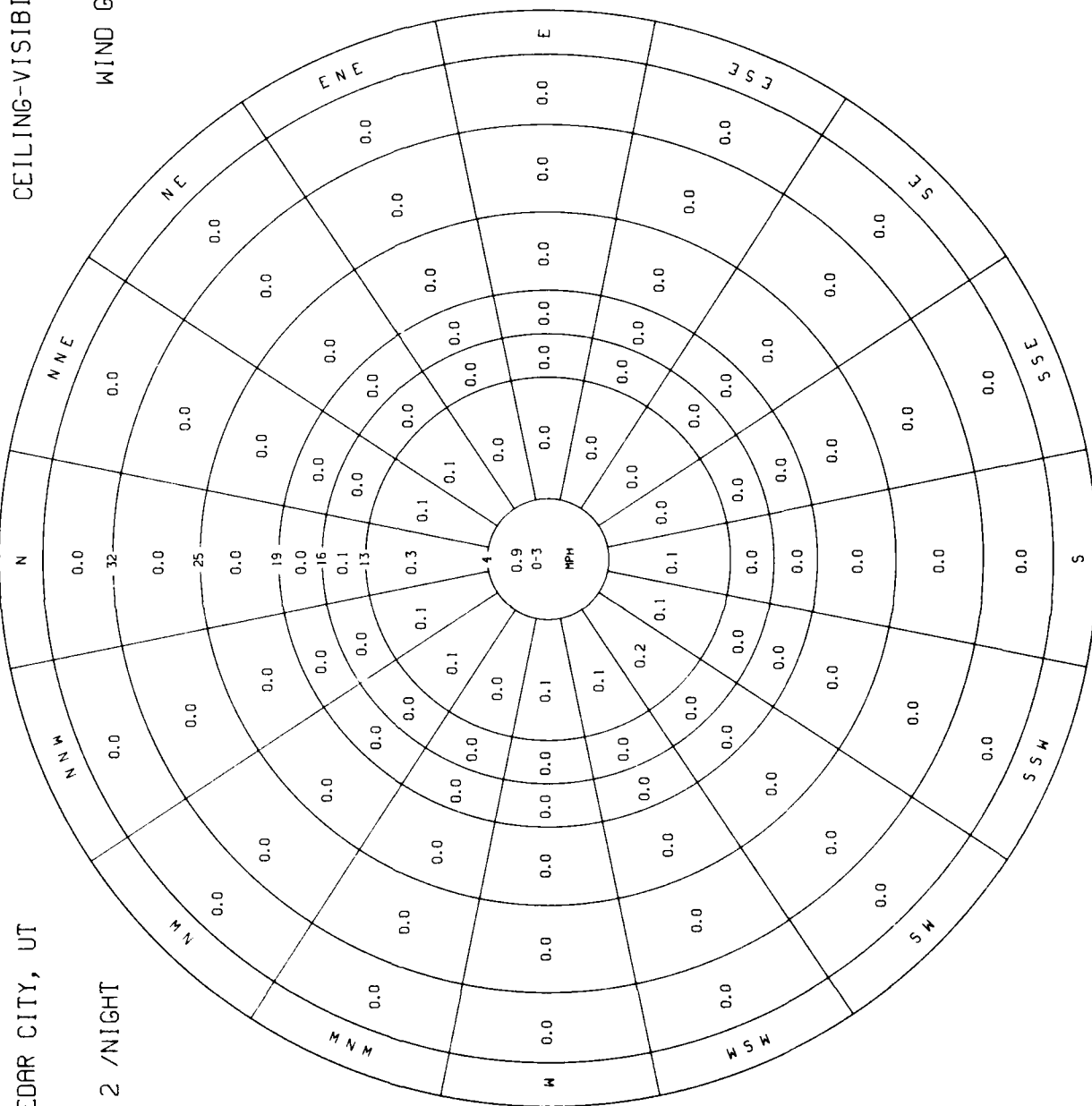
STATION NUMBER: 93129

NO. OBS.: 1163

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C
N	.0	.7	.2	9.4	.1	2.9	.0	2.0	.0	1.5	.0	.2	.0	.2	.4	16.8	12.1
NNE	.0	.3	.1	5.0	.0	2.0	.0	1.1	.0	1.0	.0	.3	.0	.0	.2	9.7	12.2
NE	.0	.7	.1	3.0	.0	.9	.0	.0	.0	.3	.0	.0	.0	.0	.1	5.0	9.0
ENE	.0	.4	.0	1.2	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	6.5
E	.0	.3	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	5.9
ESE	.0	.2	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	5.4
SE	.0	.1	.0	.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	7.2
SSE	.0	.2	.0	.9	.0	.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	1.3	8.7
S	.0	.3	.1	2.1	.0	.3	.0	.3	.0	.3	.0	.3	.0	.0	.1	3.5	11.3
SSW	.0	.3	.1	3.6	.0	2.1	.0	1.1	.0	1.6	.0	.8	.0	.2	.2	9.6	15.0
SW	.0	.3	.1	4.2	.1	2.1	.1	2.4	.0	1.5	.0	.3	.0	.1	.3	11.0	13.9
WSW	.0	.5	.1	2.6	.0	.3	.0	.5	.0	.2	.0	.2	.0	.0	.1	4.2	10.6
W	.0	.3	.1	2.2	.0	.3	.0	.3	.0	.3	.0	.1	.0	.0	.1	3.4	9.9
WNW	.0	.7	.1	2.4	.0	.0	.0	.1	.0	.3	.0	.0	.0	.0	.1	3.5	8.2
NW	.0	.7	.1	2.4	.0	.3	.0	.2	.0	.2	.0	.0	.0	.0	.1	3.7	8.6
NNW	.0	.0	.1	4.0	.0	.3	.0	.5	.0	.2	.0	.0	.0	.1	.1	5.0	10.5
CALM	.4	18.7													.4	18.7	
TOTAL	.6	24.6	1.1	45.0	.3	11.8	.2	8.7	.2	7.4	.0	2.1	.0	.5	2.4	100	9.4

CEILING-VISIBILITY

WIND GRAPH



CDC CEDAR CITY, UT

CLASS 2 / NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1949-1978

STATION NAME: CDC CEDAR CITY, UT

CLASS 2 / NIGHT

NO. OBS.: 1112

STATION NUMBER: 93129

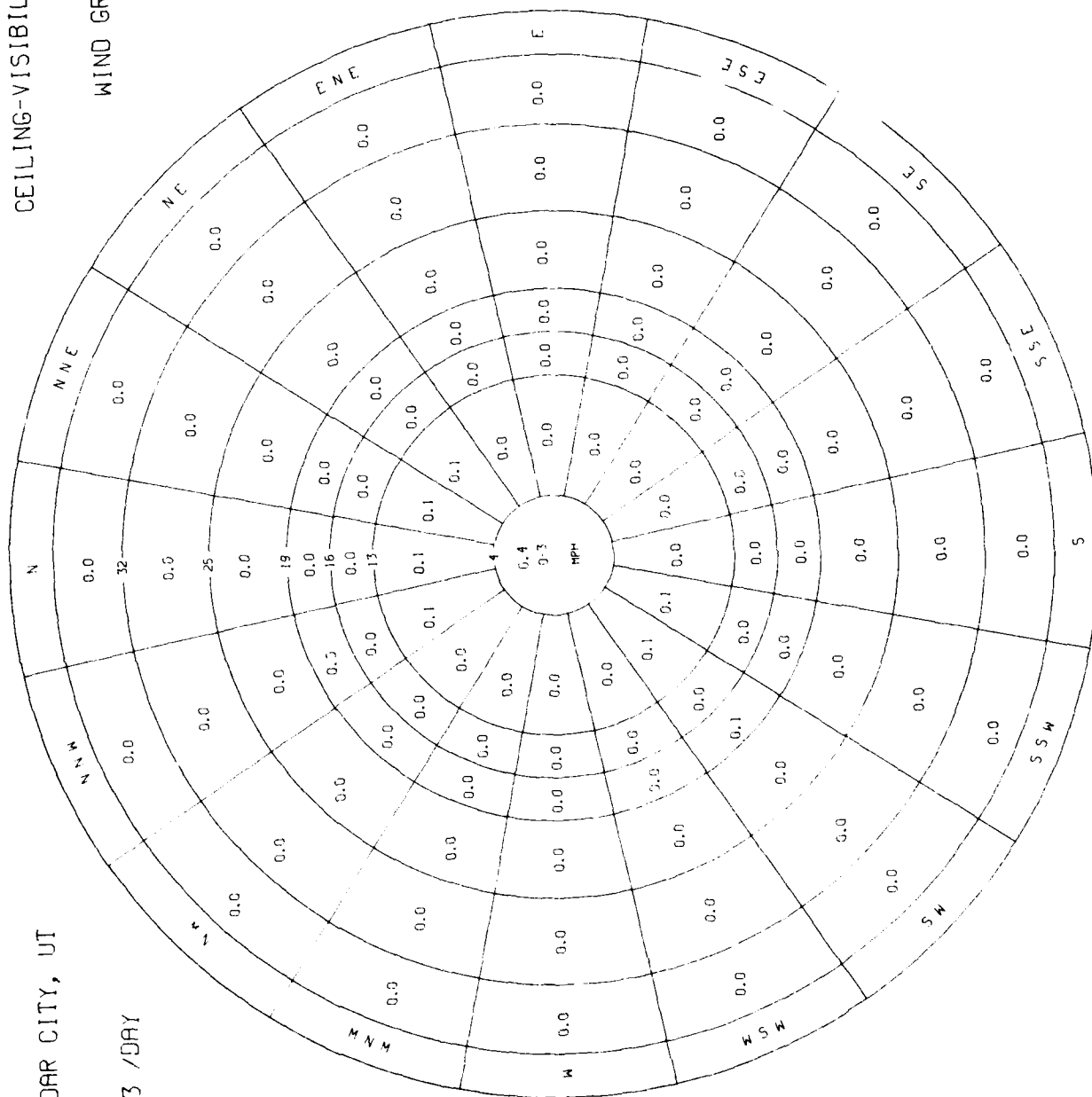
D I R	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
															C	D	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.4	.3	9.8	.1	2.3	.0	1.6	.0	.7	.0	.1	.0	.0	.4	15.0	10.9
NNE	.0	.1	.1	4.8	.0	1.3	.0	1.4	.0	.4	.0	.1	.0	.0	.2	8.1	11.5
NE	.0	.0	.1	3.1	.0	.5	.0	.1	.0	.1	.0	.1	.0	.0	.1	4.0	9.5
ENE	.0	.3	.0	1.3	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	1.6	6.9
E	.0	.6	.0	1.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.0	5.5
ESE	.0	.1	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	5.6
SE	.0	.3	.0	.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	6.3
SSE	.0	.3	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	6.0
S	.0	.4	.1	3.1	.0	.4	.0	.4	.0	.1	.0	.1	.0	.2	.1	4.6	10.6
SSW	.0	.4	.1	3.9	.0	1.3	.0	1.1	.0	.7	.0	.3	.0	.2	.2	7.8	12.7
SW	.0	.4	.2	5.2	.0	.8	.0	1.3	.0	.4	.0	.2	.0	.0	.2	8.5	11.0
WSW	.0	.4	.1	2.6	.0	.3	.0	.4	.0	.1	.0	.2	.0	.0	.1	4.0	9.7
W	.0	.2	.1	2.6	.0	.1	.0	.2	.0	.2	.0	.0	.0	.0	.1	3.2	8.5
WNW	.0	.2	.0	1.6	.0	.1	.0	.4	.0	.0	.0	.0	.0	.1	.1	2.3	10.0
NW	.0	.4	.1	2.8	.0	.3	.0	.3	.0	.1	.0	.0	.0	.0	.1	3.8	8.5
NNW	.0	.0	.1	2.8	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.1	3.3	9.2
CALM	.8	28.2			.2	7.8	.2	7.4	.1	3.1	.0	1.0	.0	.4	.8	28.2	7.3
TOTAL	.9	32.6	1.4	47.7	.2	7.8	.2	7.4	.1	3.1	.0	1.0	.0	.4	2.9	100	

CEILING-VISIBILITY

WIND GRAPH

CDC CEDAR CITY, UT

CLASS 3 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1949-1978

STATION NAME: COO CEDAR CITY, UT

CLASS 3 / DAY

NO. OBS.: 814

STATION NUMBER: 93129

O I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D
N	.0	.5	.1	9.0	.0	2.7	.0	2.1	.0	1.7	.0	.2	.0	.2	.3	16.5	12.8
NNE	.0	.1	.1	4.9	.0	1.7	.0	.9	.0	1.0	.0	.1	.0	.0	.1	8.7	12.2
NE	.0	.4	.1	3.7	.0	1.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	5.2	8.8
ENE	.0	.2	.0	1.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	7.4
E	.0	.4	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	6.2
ESE	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	5.2
SE	.0	.1	.0	.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	7.7
SSE	.0	.1	.0	.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	7.9
S	.0	.2	.0	2.5	.0	.2	.0	.4	.0	.2	.0	.4	.0	.0	.1	3.9	11.4
SSW	.0	.4	.1	4.1	.0	2.6	.0	1.2	.0	2.1	.0	1.0	.0	.2	.2	11.5	15.3
SW	.0	.5	.1	3.8	.0	2.3	.1	3.3	.0	1.4	.0	.5	.0	.1	.2	11.9	14.4
WSW	.0	.5	.0	2.7	.0	.4	.0	.4	.0	.2	.0	.2	.0	.0	.1	4.4	10.9
W	.0	.1	.0	2.0	.0	.2	.0	.2	.0	.2	.0	.0	.0	.0	.0	2.8	9.7
WNW	.0	.6	.0	2.5	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	3.2	7.0
NW	.0	.7	.0	2.5	.0	.4	.0	.1	.0	.2	.0	.0	.0	.0	.1	3.9	9.1
NNW	.0	.0	.1	4.4	.0	.2	.0	.5	.0	.2	.0	.0	.0	.1	.1	5.5	10.6
CALM	.3	16.8					.1	9.1	.1	7.6	.0	2.5	.0	.7	1.6	100	9.9
TOTAL	.4	22.0	.8	45.7	.2	12.4	.1	9.1	.1	7.6	.0	2.5	.0	.7	1.6	100	9.9

AD-A108 167

NATIONAL CLIMATIC CENTER ASHEVILLE NC

F/G 4/2

WIND - CEILING - VISIBILITY DATA AT SELECTED AIRPORTS, VOLUME V--ETC(U)
JUN 81 DOT-FA79WAI-057

JUN 81

DOT-FA79WAI-057

NL

UNCLASSIFIED

10

44

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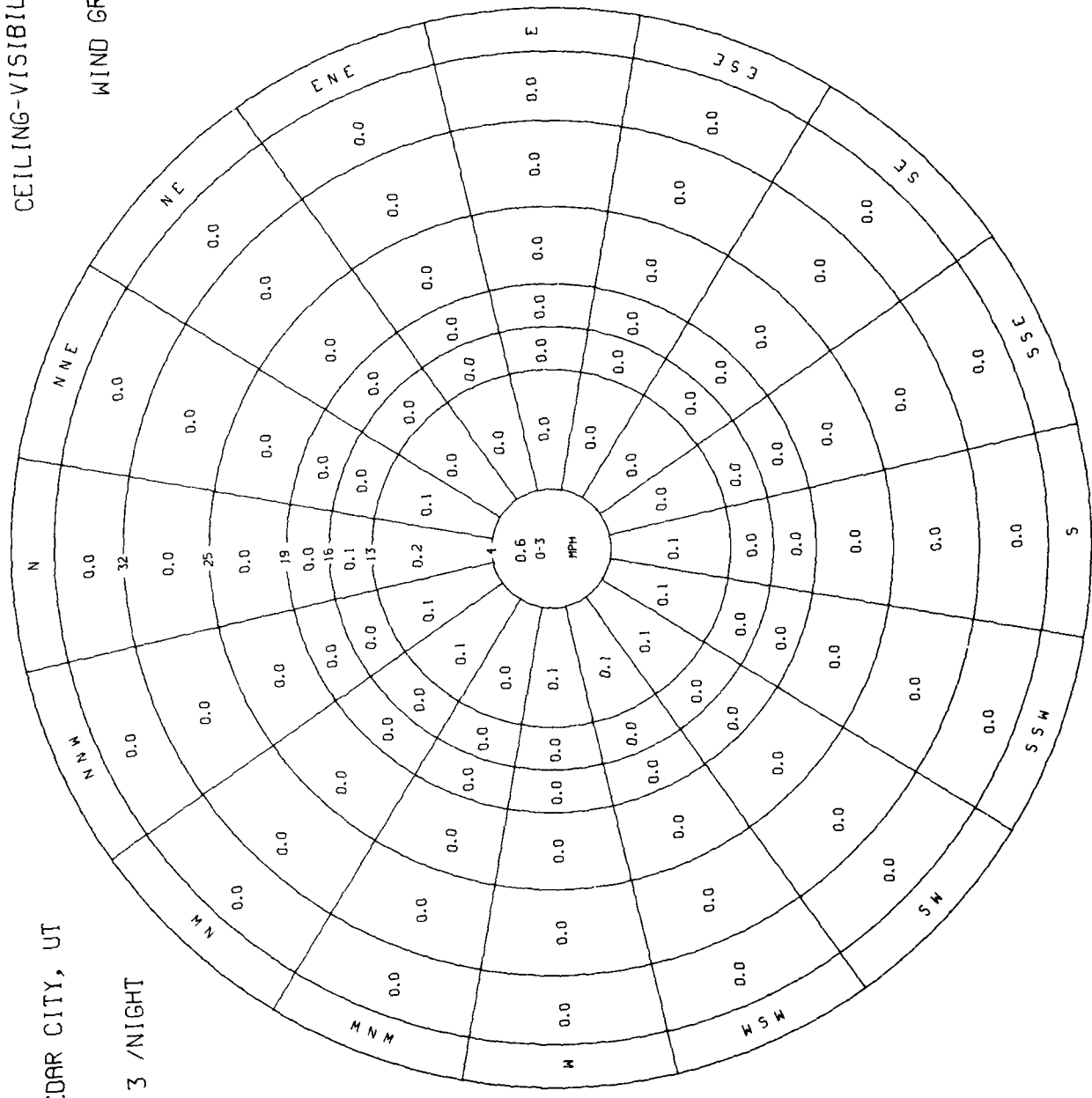
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3167

CEILING-VISIBILITY

WIND GRAPH

CDC CEDAR CITY, UT

CLASS 3 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1949-1978

STATION NAME: CDC CEDAR CITY, UT

CLASS 3 / NIGHT

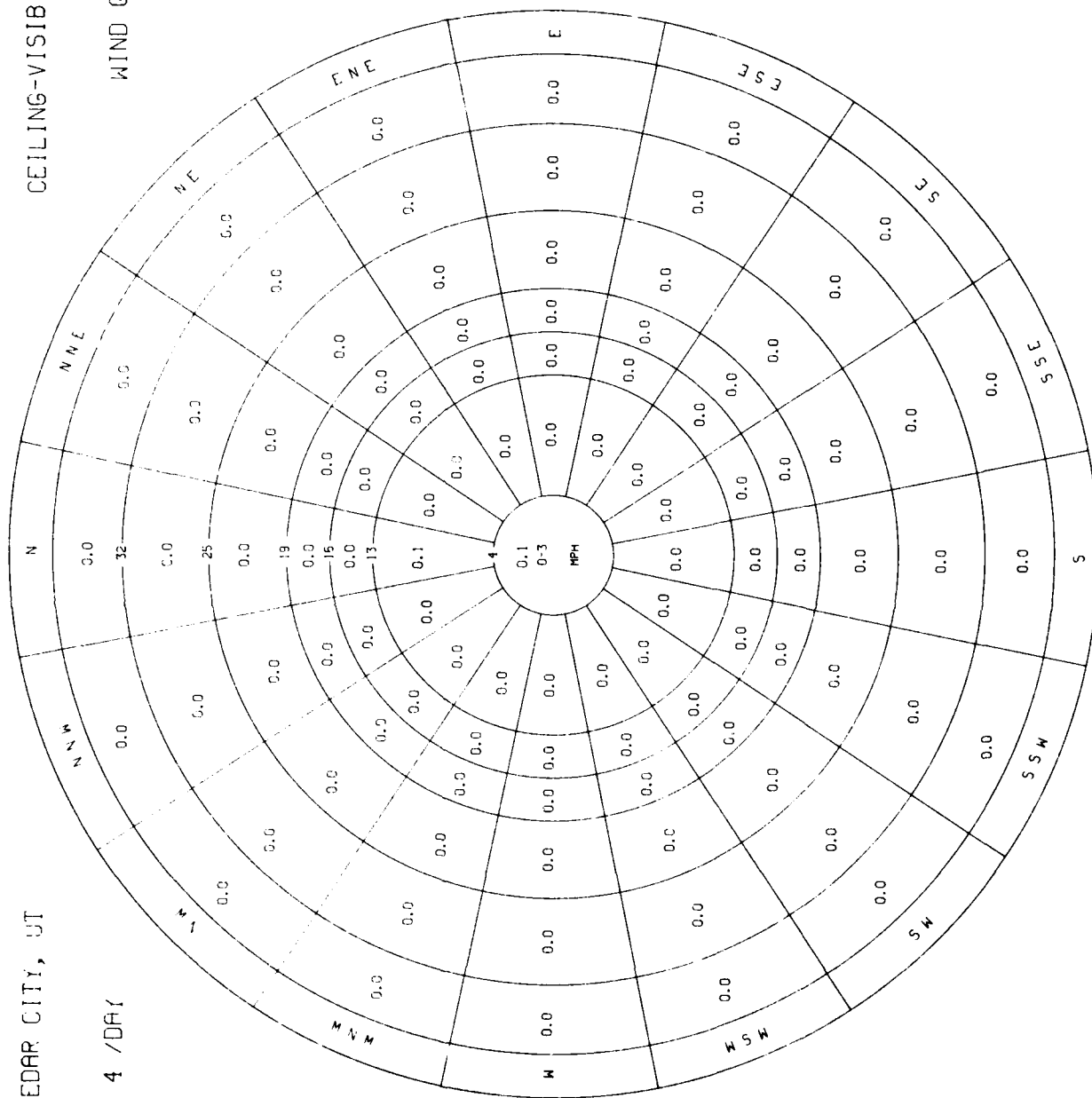
NO. OBS.: 763

STATION NUMBER: 93129

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.7	.2	10.6	.1	2.8	.0	1.8	.0	.7	.0	.1	.0	.0	.3 16.6
NNE	.0	.0	.1	4.6	.0	1.6	.0	1.3	.0	.3	.0	.1	.0	.0	.2 7.9
NE	.0	.0	.0	2.1	.0	.5	.0	.0	.0	.1	.0	.0	.0	.0	.1 2.8
ENE	.0	.3	.0	1.2	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0 1.6
E	.0	.3	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.4
ESE	.0	.1	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .9
SE	.0	.1	.0	.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0 .8
SSE	.0	.4	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.8
S	.0	.4	.1	3.4	.0	.5	.0	.4	.0	.1	.0	.0	.0	.1	.1 5.0
SSW	.0	.3	.1	3.9	.0	1.6	.0	1.3	.0	1.0	.0	.1	.0	.3	.2 8.5
SW	.0	.4	.1	5.4	.0	.7	.0	1.6	.0	.7	.0	.3	.0	.0	.2 8.9
WSW	.0	.4	.1	3.3	.0	.1	.0	.3	.0	.1	.0	.1	.0	.0	.1 4.3
W	.0	.3	.1	2.8	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.1 3.4
WNW	.0	.1	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.8
NW	.0	.3	.1	3.0	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.1 3.8
NNW	.0	.0	.1	2.9	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.1 3.4
CALM	.5	27.0													.5 27.0
TOTAL	.6	30.9	1.0	48.8	.2	8.7	.1	7.1	.1	3.4	.0	.8	.0	.4	2.0 100
															7.5

CEILING-VISIBILITY
WIND GRAPH

CDC CEDAR CITY, UT
CLASS 4 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1949-1978

STATION NAME: CDC CEDAR CITY, UT

CLASS 4 / DAY

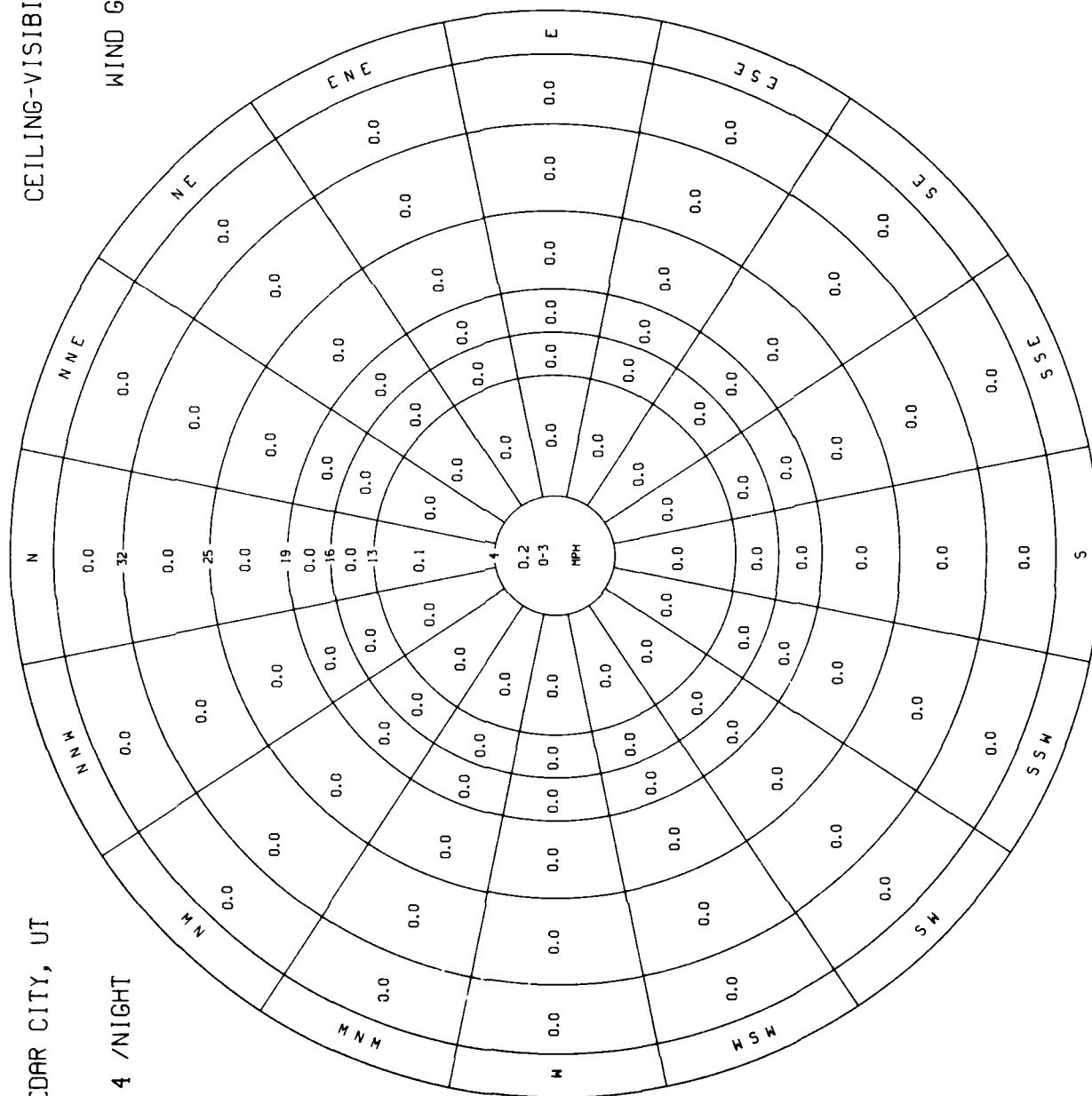
NO. OBS.: 231

STATION NUMBER: 93129

D I R	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.4	.1	12.1	.0	4.3	.0	1.3	.0	1.3	.0	.0	.0	.0	.1	19.5	11.1
NNE	.0	.4	.0	6.5	.0	3.5	.0	1.7	.0	.9	.0	.9	.0	.0	.1	13.9	12.5
NE	.0	.4	.0	1.7	.0	.9	.0	.0	.0	.9	.0	.0	.0	.0	.0	3.9	11.8
ENE	.0	.4	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	5.3
E	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	6.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	6.0
SSE	.0	.4	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	6.3
S	.0	.4	.0	1.3	.0	.4	.0	.4	.0	.4	.0	.0	.0	.0	.0	3.0	12.2
SSW	.0	.0	.0	3.5	.0	.4	.0	1.3	.0	.0	.0	.0	.0	.0	.0	5.2	11.4
SW	.0	.0	.0	5.6	.0	2.2	.0	.0	.0	2.6	.0	.0	.0	.0	.0	10.4	13.1
WSW	.0	.9	.0	1.7	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	3.0	8.0
W	.0	.9	.0	2.6	.0	.4	.0	.4	.0	.9	.0	.0	.0	.0	.0	5.2	9.9
WNW	.0	.4	.0	2.6	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	3.5	9.0
NW	.0	.4	.0	3.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	3.9	7.7
NNW	.0	.0	.0	3.9	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	4.8	9.7
CALM	.1	19.9			.1	12.6	.0	6.9	.0	6.9	.0	.9	.0	.0	.5	100	8.7
TOTAL	.1	25.1	.2	47.6	.1	12.6	.0	6.9	.0	6.9	.0	.9	.0	.0	.5	100	

CDC CEDAR CITY, UT

CLASS 4 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CDC CEDAR CITY, UT

PERIOD: 1949-1978

CLASS 4 / NIGHT

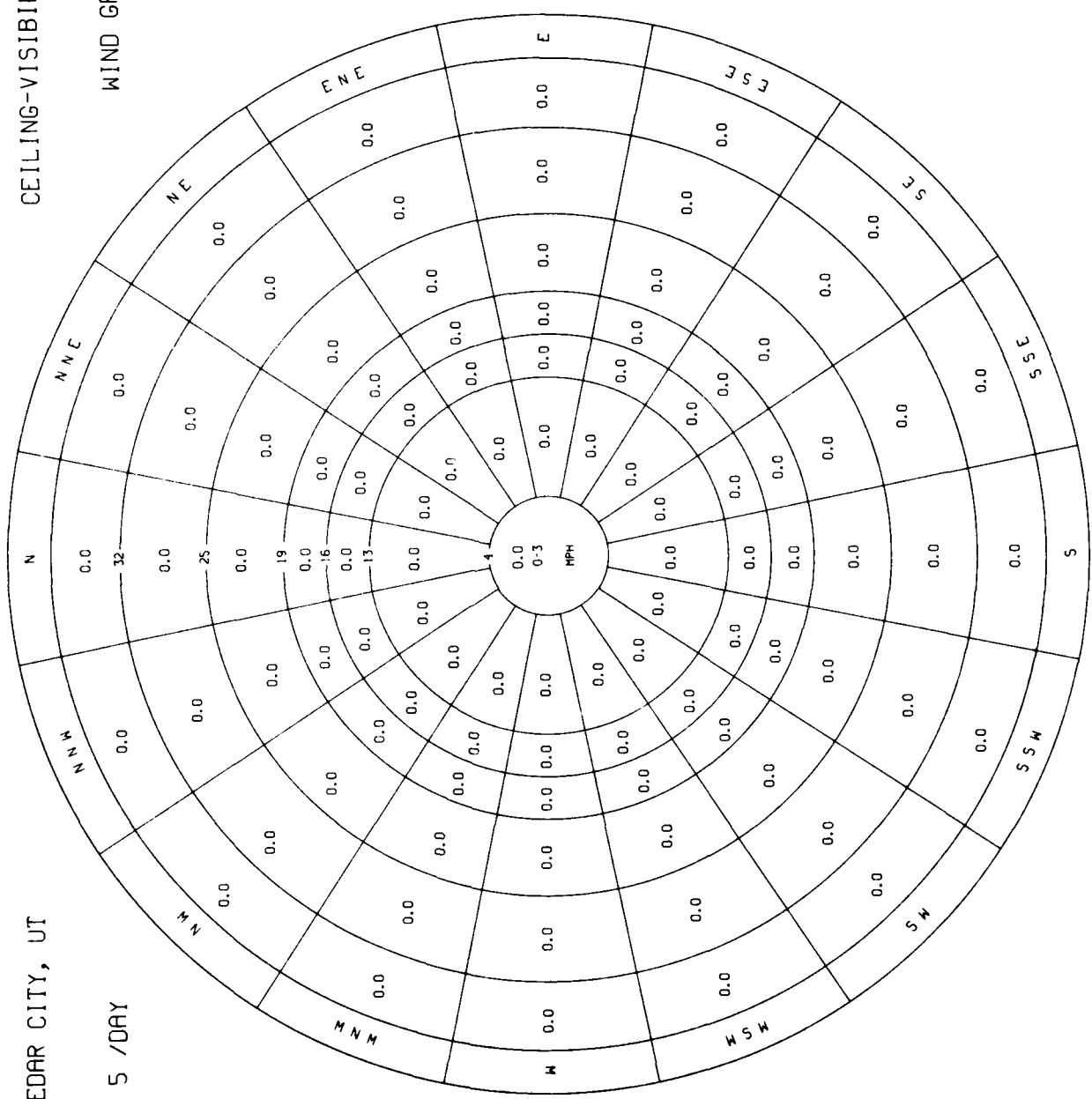
STATION NUMBER: 93129

NO. OBS.: 206

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.0	.1	10.2	.0	1.5	.0	1.5	.0	1.5	.0	.0	.0	.0	.1 14.6
NNE	.0	.0	.0	4.4	.0	1.0	.0	1.5	.0	1.0	.0	.0	.0	.0	.0 7.8
NE	.0	.0	.0	3.4	.0	1.0	.0	.5	.0	.0	.0	.0	.0	.0	.0 4.9
ENE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .0
E	.0	1.9	.0	1.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.4
ESE	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.9
SE	.0	1.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.9
SSE	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .5
S	.0	.5	.0	2.4	.0	.0	.0	1.0	.0	.0	.0	.5	.0	.0	.0 4.4
SSW	.0	.0	.0	4.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.8
SW	.0	.5	.0	7.8	.0	1.9	.0	1.5	.0	.0	.0	.0	.0	.0	.1 11.7
WSW	.0	.0	.0	1.5	.0	1.0	.0	.5	.0	.5	.0	.0	.0	.0	.0 2.9
W	.0	.0	.0	1.9	.0	.0	.0	.5	.0	.5	.0	.0	.0	.0	.0 2.9
WNW	.0	.0	.0	1.0	.0	.5	.0	.5	.0	.0	.0	.0	.0	.5	.0 2.4
NW	.0	.0	.0	2.9	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0 3.9
NNW	.0	.0	.0	3.4	.0	.0	.0	.5	.0	.5	.0	.0	.0	.0	.0 4.4
CALM	.1	26.7													.1 26.7
TOTAL	.2	30.6	.3	48.1	.0	7.8	.0	8.3	.0	3.4	.0	1.5	.0	.5	.5 100

CEILING-VISIBILITY

WIND GRAPH



CDC CEDAR CITY, UT

CLASS 5 /DAY

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CDC CEDAR CITY, UT

PERIOD: 1949-1978

CLASS 5 / DAY

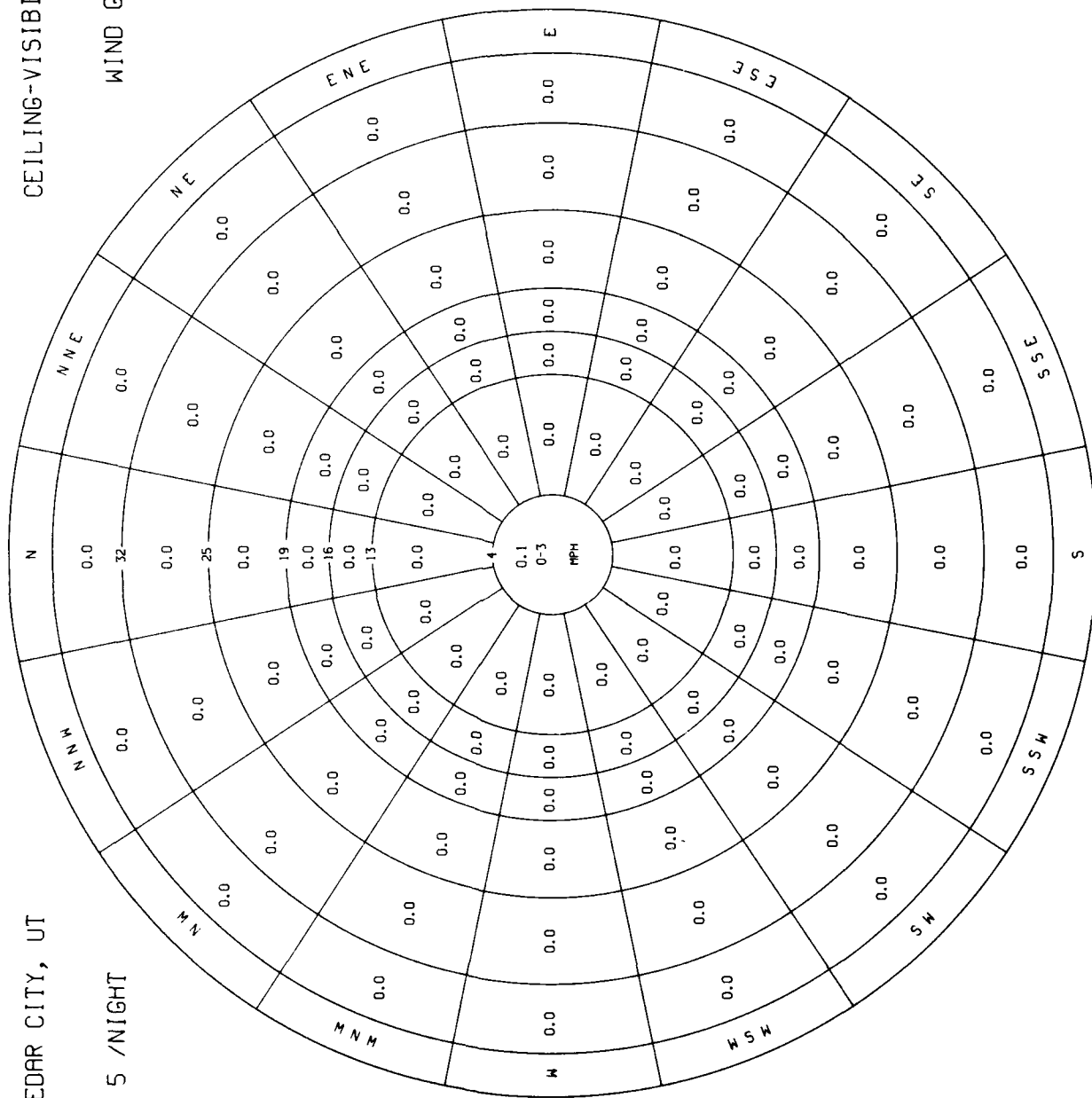
STATION NUMBER: 93129

NO. OBS.: 63

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D
N	.0	4.8	.0	7.9	.0	1.6	.0	3.2	.0	.0	.0	.0	.0	.0	.0	17.5
NNE	.0	.0	.0	3.2	.0	.0	.0	3.2	.0	.0	.0	.0	.0	.0	.0	6.3
NE	.0	1.6	.0	1.6	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8
ENE	.0	.0	.0	6.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.3
E	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6
ESE	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SSE	.0	.0	.0	1.6	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	3.2
S	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6
SSW	.0	.0	.0	.0	.0	1.6	.0	.0	.0	1.6	.0	1.6	.0	.0	.0	4.8
SW	.0	.0	.0	6.3	.0	1.6	.0	1.6	.0	.0	.0	.0	.0	.0	.0	9.5
WSW	.0	.0	.0	3.2	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	4.8
W	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6
WNW	.0	1.6	.0	1.6	.0	.0	.0	.0	.0	1.6	.0	.0	.0	.0	.0	4.8
NW	.0	1.6	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2
NNW	.0	.0	.0	.0	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	1.6
CALM	.0	27.0													.0	27.0
TOTAL	.0	36.5	.1	39.7	.0	6.3	.0	12.7	.0	3.2	.0	1.6	.0	.0	.1	100
																7.5

CEILING-VISIBILITY
WIND GRAPH

CDC CEDAR CITY, UT
CLASS 5 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1949-1978

STATION NAME: CDC CEDAR CITY, UT

CLASS 5 / NIGHT

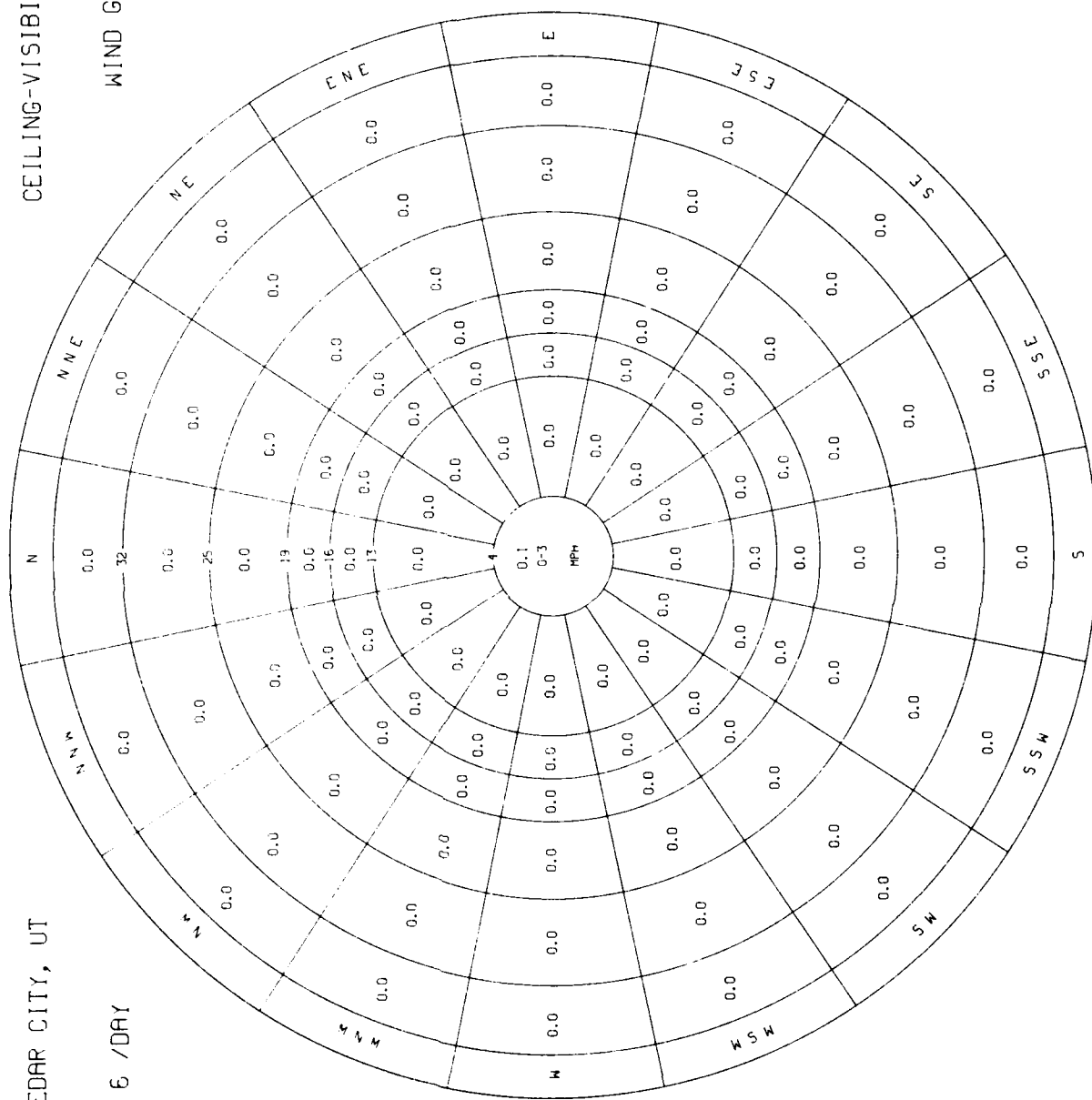
NO. OBS.: 64

STATION NUMBER: 93129

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.0	.0	9.4	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0 12.5
NNE	.0	.0	.0	7.8	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0 9.4
NNE	.0	.0	.0	9.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 9.4
ENE	.0	1.6	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.7
E	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.6
ESE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .0
SE	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.6
SSE	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.6
S	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.6
SSW	.0	1.6	.0	1.6	.0	4.7	.0	3.1	.0	.0	.0	.0	.0	.0	.0 10.9
SW	.0	1.6	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.1
WSW	.0	1.6	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.1
W	.0	.0	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.1
WNW	.0	1.6	.0	3.1	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0 6.3
NW	.0	.0	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.1
NNW	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.6
CALM	.0	26.6													.0 26.6
TOTAL	.1	34.4	.1	51.6	.0	7.8	.0	6.3	.0	.0	.0	.0	.0	.0	.2 100

CEILING-VISIBILITY

WIND GRAPH



CDC CEDAR CITY, UT

CLASS 6 / DAY

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1949-1978

STATION NAME: CDC CEDAR CITY, UT

CLASS 6 / DAY

NO. OBS.: 55

STATION NUMBER: 93129

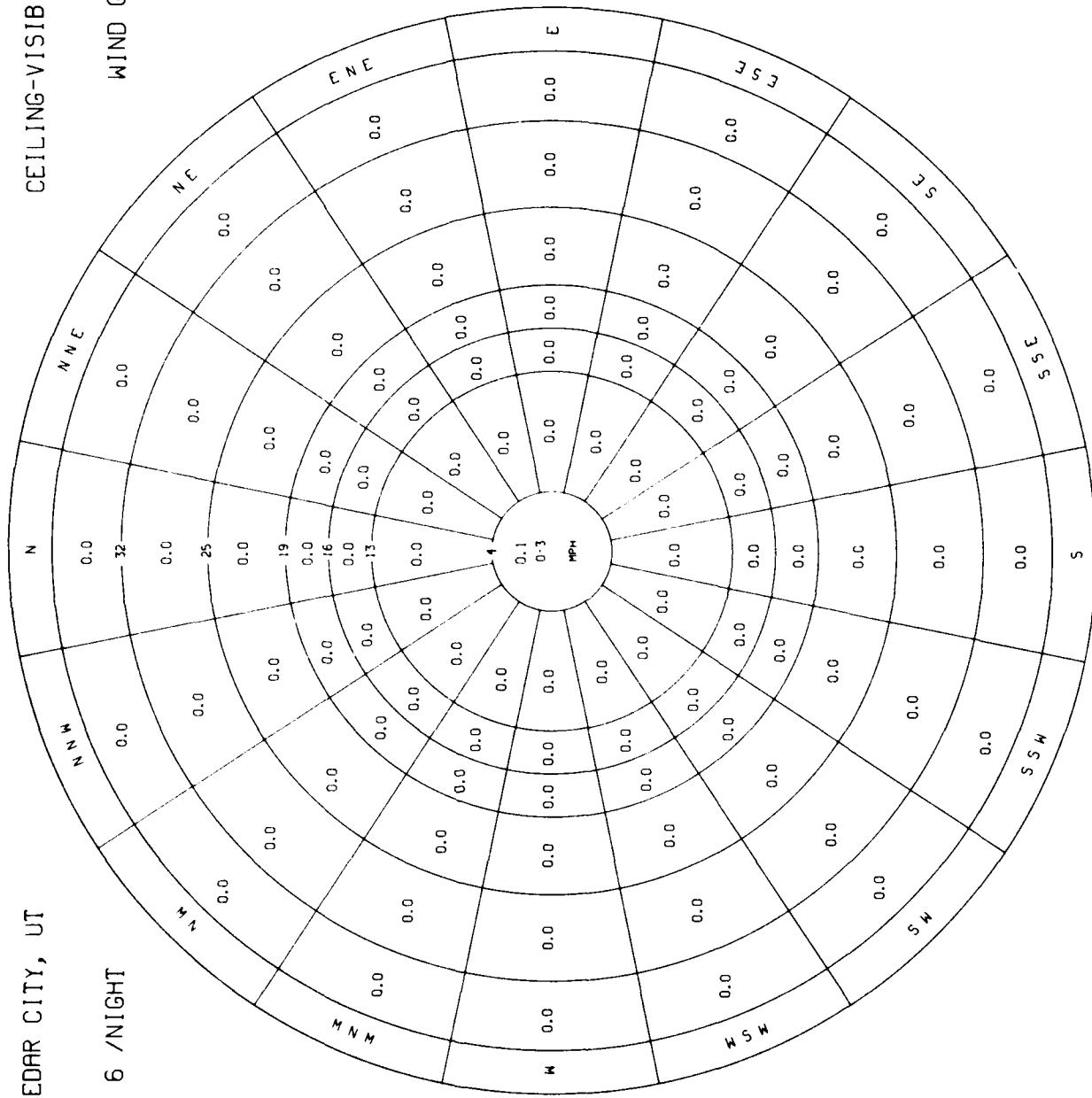
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
																C	D
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D
N	.0	.0	.0	5.5	.0	1.8	.0	1.8	.0	.0	.0	.0	.0	.0	.0	9.1	10.0
NNE	.0	3.6	.0	1.8	.0	1.8	.0	.0	.0	3.6	.0	.0	.0	.0	.0	10.9	11.8
NE	.0	5.5	.0	.0	.0	.0	.0	.0	.0	1.8	.0	.0	.0	.0	.0	7.3	6.0
ENE	.0	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	3.0
E	.0	1.8	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	3.5
ESE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	6.0
SSE	.0	.0	.0	.0	.0	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	1.8	17.0
S	.0	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.5	5.0
SSW	.0	.0	.0	1.8	.0	1.8	.0	.0	.0	1.8	.0	.0	.0	.0	.0	1.8	15.0
SW	.0	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.5	5.0
WSW	.0	.0	.0	3.6	.0	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	5.5	11.7
W	.0	.0	.0	5.5	.0	.0	.0	.0	.0	.0	.0	.0	1.8	.0	.0	7.3	11.7
WNW	.0	1.8	.0	1.8	.0	.0	.0	.0	.0	3.6	.0	.0	.0	.0	.0	7.3	12.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NNW	.0	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	5.0
CALM	.0	30.9													.0	30.9	
TOTAL	.1	47.3	.0	29.1	.0	5.5	.0	5.5	.0	10.9	.0	1.8	.0	.0	.1	100	6.7

CDC CEDAR CITY, UT

CLASS 6 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CDC CEDAR CITY, UT

PERIOD: 1949-1978

CLASS 6 / NIGHT

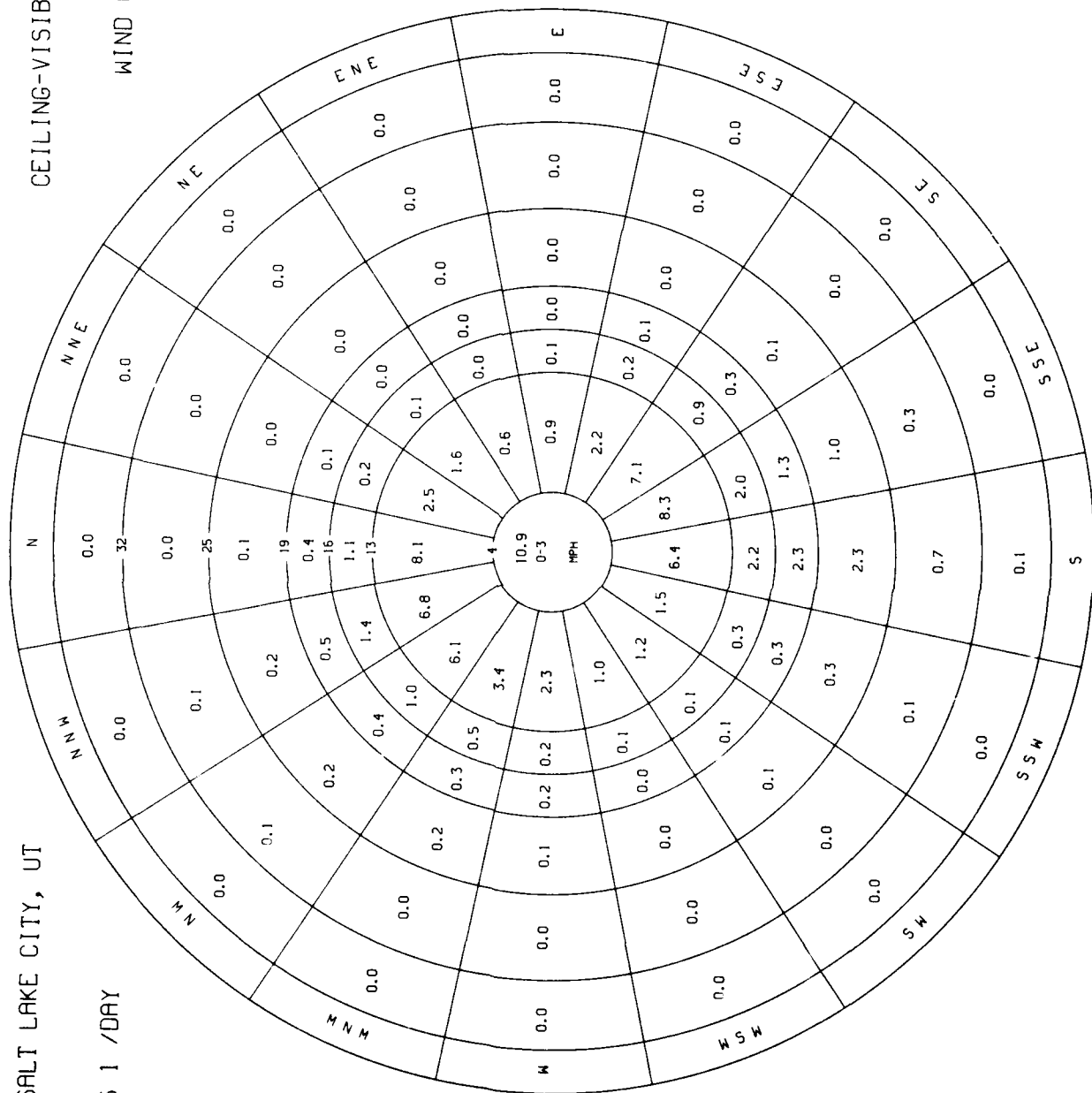
STATION NUMBER: 93129

NO. OBS.: 79

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C
N	.0	.0	.0	1.3	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	2.5	14.0
NNE	.0	1.3	.0	5.1	.0	.0	.0	2.5	.0	1.3	.0	.0	.0	.0	.0	10.1	10.0
NE	.0	.0	.0	7.6	.0	.0	.0	.0	.0	.0	.0	1.3	.0	.0	.0	8.9	9.4
ENE	.0	.0	.0	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	5.0
E	.0	1.3	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	4.7
ESE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	6.0
SSE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.0	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	3.8	19.7
SSW	.0	1.3	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	4.3
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
WSW	.0	1.3	.0	.0	.0	.0	.0	1.3	.0	.0	.0	1.3	.0	.0	.0	3.8	15.0
W	.0	.0	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	6.5
WNW	.0	.0	.0	1.3	.0	.0	.0	2.5	.0	.0	.0	.0	.0	.0	.0	3.8	13.0
NW	.0	2.5	.0	.0	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	3.8	7.0
NNW	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	12.0
CALM	.1	45.6													.1	45.6	
TOTAL	.1	53.2	.1	32.9	.0	.0	.0	8.9	.0	1.3	.0	2.5	.0	1.3	.2	100	5.3

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: SLC SALT LAKE CITY, UT

PERIOD: 1948-1978

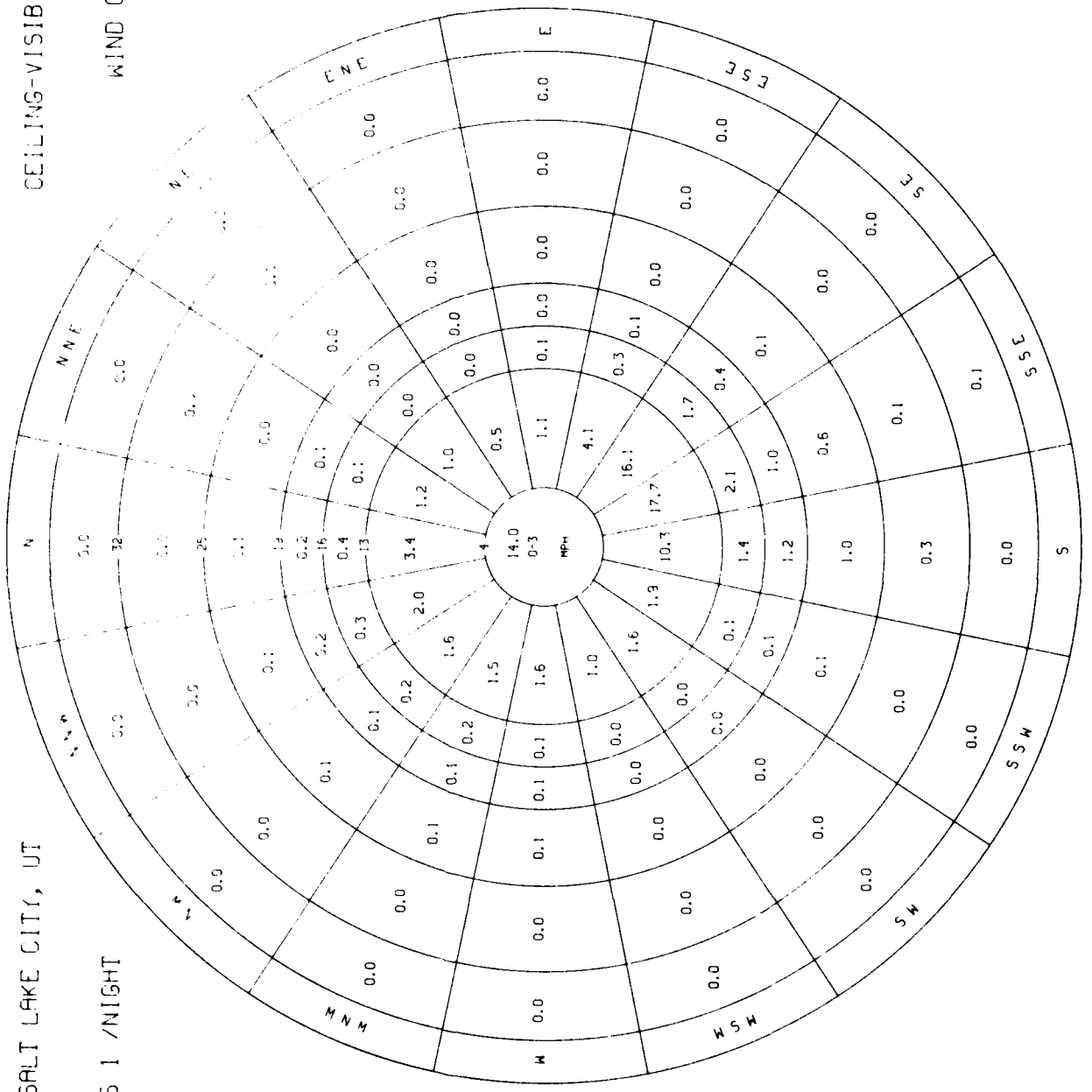
CLASS 1 / DAY

STATION NUMBER: 24127

NO. OBS.: 48092

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL			
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D	
N	.9	1.0	8.1	8.6	1.1	1.1	.4	.4	.1	.2	.0	.0	.0	.0	10.7	11.3	8.8	
NNE	.5	.5	2.5	2.7	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	3.4	3.6	7.8
NNE	.5	.5	1.6	1.7	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	2.3	6.7
ENE	.2	.2	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.9	6.4
E	.4	.4	.9	1.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	1.6	6.8
ESE	.4	.4	2.2	2.4	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	3.0	3.2	8.0
SE	.7	.7	7.1	7.5	.9	1.0	.3	.4	.1	.1	.0	.0	.0	.0	.0	9.2	9.7	9.0
SSE	.6	.6	8.3	8.9	2.0	2.1	1.3	1.4	1.0	1.1	.3	.3	.0	.0	.0	13.6	14.4	11.3
S	.8	.8	6.4	6.8	2.2	2.4	2.3	2.4	2.3	2.4	.7	.7	.1	.1	.1	14.8	15.7	13.3
SSW	.4	.4	1.5	1.6	.3	.4	.3	.3	.3	.3	.1	.1	.0	.0	.0	2.9	3.1	10.9
SW	.4	.5	1.2	1.3	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	2.0	2.1	7.6
WSW	.3	.3	1.0	1.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	1.5	7.4
W	.6	.6	2.3	2.4	.2	.2	.2	.2	.1	.1	.0	.0	.0	.0	.0	3.4	3.6	7.9
WNW	.6	.6	3.4	3.6	.5	.6	.3	.3	.2	.2	.0	.0	.0	.0	.0	5.1	5.4	9.1
NW	.7	.8	6.1	6.5	1.0	1.0	.4	.4	.2	.2	.1	.1	.0	.0	.0	8.5	9.0	9.3
NNW	.6	.6	6.8	7.2	1.4	1.5	.5	.6	.2	.2	.1	.1	.0	.0	.0	9.6	10.2	9.7
CALM	2.4	2.6														2.4	2.6	
TOTAL	10.9	11.6	60.2	63.8	10.6	11.2	6.4	6.8	4.7	5.0	1.3	1.4	.2	.2	94.3	100		9.6

SLC SALT LAKE CITY, UT
 CLASS 1 /NIGHT
 CEILING-VISIBILITY
 WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: SLC SALT LAKE CITY, UT

PERIOD: 1948-1978

CLASS 1 / NIGHT

STATION NUMBER: 24127

NO. OBS.: 37340

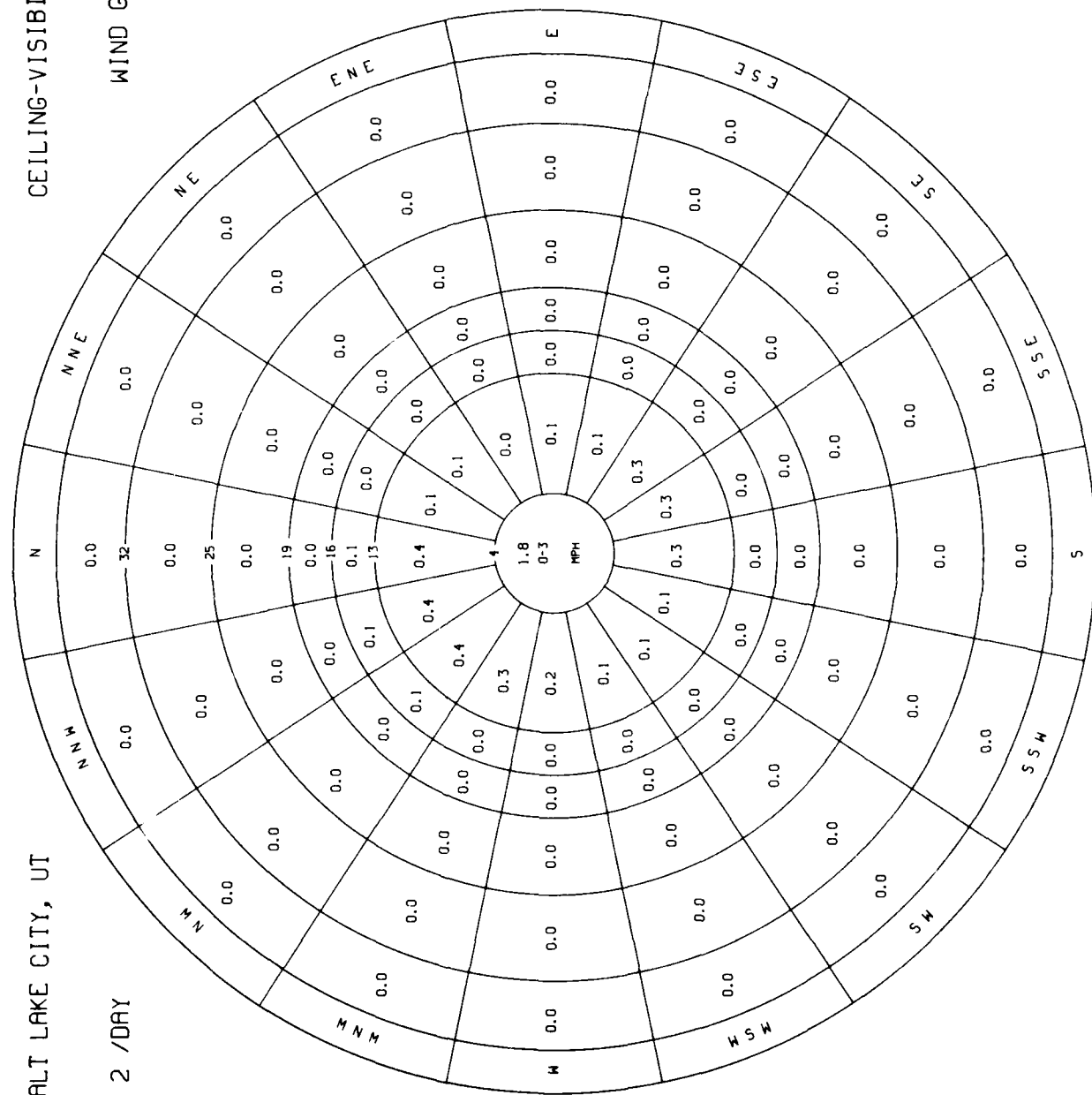
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D
N	.6	.7	3.4	3.6	.4	.4	.2	.2	.1	.1	.0	.0	.0	.0	4.7	5.0	8.1
NNE	.3	.4	1.2	1.3	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	1.7	1.8	7.2
NE	.4	.4	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	1.5	5.9
ENE	.3	.4	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.9	5.3
E	.4	.5	1.1	1.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.6	1.7	6.3
ESE	.7	.7	4.1	4.3	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	5.2	5.5	8.0
SE	1.2	1.3	16.1	17.1	1.7	1.8	.4	.5	.1	.1	.0	.0	.0	.0	19.6	20.8	8.8
SSE	1.1	1.2	17.7	18.7	2.1	2.2	1.0	1.0	.6	.7	.1	.1	.1	.1	22.7	24.0	9.4
S	1.4	1.5	10.3	10.9	1.4	1.5	1.2	1.2	1.0	1.0	.3	.3	.0	.0	15.5	16.5	9.7
SSW	.6	.6	1.9	2.0	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	2.9	3.0	7.4
SW	.5	.6	1.6	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	2.4	6.0
WSW	.4	.4	1.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	1.5	5.9
W	.6	.6	1.6	1.7	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	2.5	2.6	7.1
WNW	.4	.4	1.5	1.5	.2	.2	.1	.1	.1	.1	.0	.0	.0	.0	2.4	2.5	8.4
NW	.5	.5	1.6	1.7	.2	.2	.1	.1	.1	.1	.0	.0	.0	.0	2.5	2.6	8.2
NNW	.3	.3	2.0	2.2	.3	.3	.2	.2	.1	.1	.0	.0	.0	.0	2.9	3.1	8.9
CALM	4.2	4.5													4.2	4.5	
TOTAL	14.0	14.8	66.6	70.6	7.0	7.4	3.6	3.8	2.4	2.5	.6	.7	.1	.1	94.3	100	8.3

CEILING-VISIBILITY

WIND GRAPH

SLC SALT LAKE CITY, UT

CLASS 2 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: SLC SALT LAKE CITY, UT

PERIOD: 1948-1978

CLASS 2 / DAY

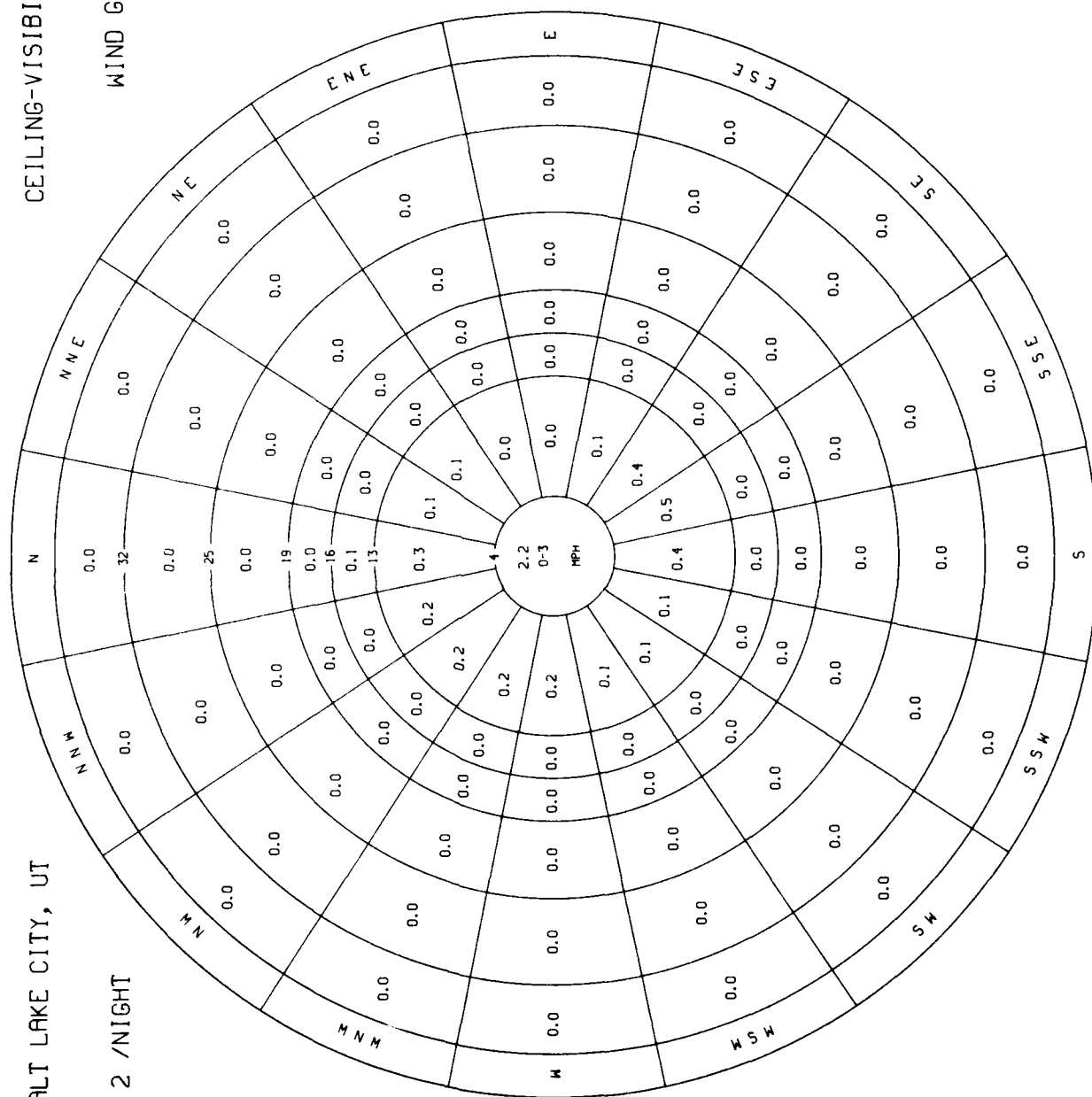
STATION NUMBER: 24127

NO. OBS.: 2901

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C	D
N	.1	2.3	.4	7.2	.1	1.0	.0	.5	.0	.2	.0	.0	.0	.0	.0	.6	11.3	7.7
NNE	.1	.9	.1	1.9	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	3.0	6.0
NE	.0	.7	.1	1.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.8	5.4
ENE	.0	.4	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.0	4.5
E	.0	.7	.1	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.7	4.5
ESE	.1	.9	.1	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.3	5.2
SE	.1	1.2	.3	5.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	6.9	6.5
SSE	.1	1.6	.3	5.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	7.1	6.3
S	.1	2.0	.3	5.4	.0	.2	.0	.2	.0	.2	.0	.2	.0	.2	.0	.5	8.4	7.7
SSW	.1	1.1	.1	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	3.1	5.4
SW	.1	1.3	.1	1.6	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.2	3.0	4.6
WSW	.0	.8	.1	1.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.4	5.3
W	.1	2.0	.2	4.3	.0	.3	.0	.1	.0	.2	.0	.0	.0	.0	.0	.4	6.9	6.4
WNW	.1	2.4	.3	5.1	.0	.5	.0	.4	.0	.1	.0	.0	.0	.0	.1	.5	8.6	6.9
NW	.1	1.6	.4	7.3	.1	.9	.0	.4	.0	.6	.0	.0	.0	.0	.1	.6	10.9	8.5
NNW	.1	1.5	.4	7.7	.1	1.2	.0	.7	.0	.5	.0	.1	.0	.0	.0	.7	11.7	8.8
CALM	.6	10.0														.6	10.0	
TOTAL	1.8	31.4	3.3	58.8	.3	4.8	.1	2.3	.1	1.8	.0	.5	.0	.4	5.7	100		6.3

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: SLC SALT LAKE CITY, UT

CLASS 2 / NIGHT

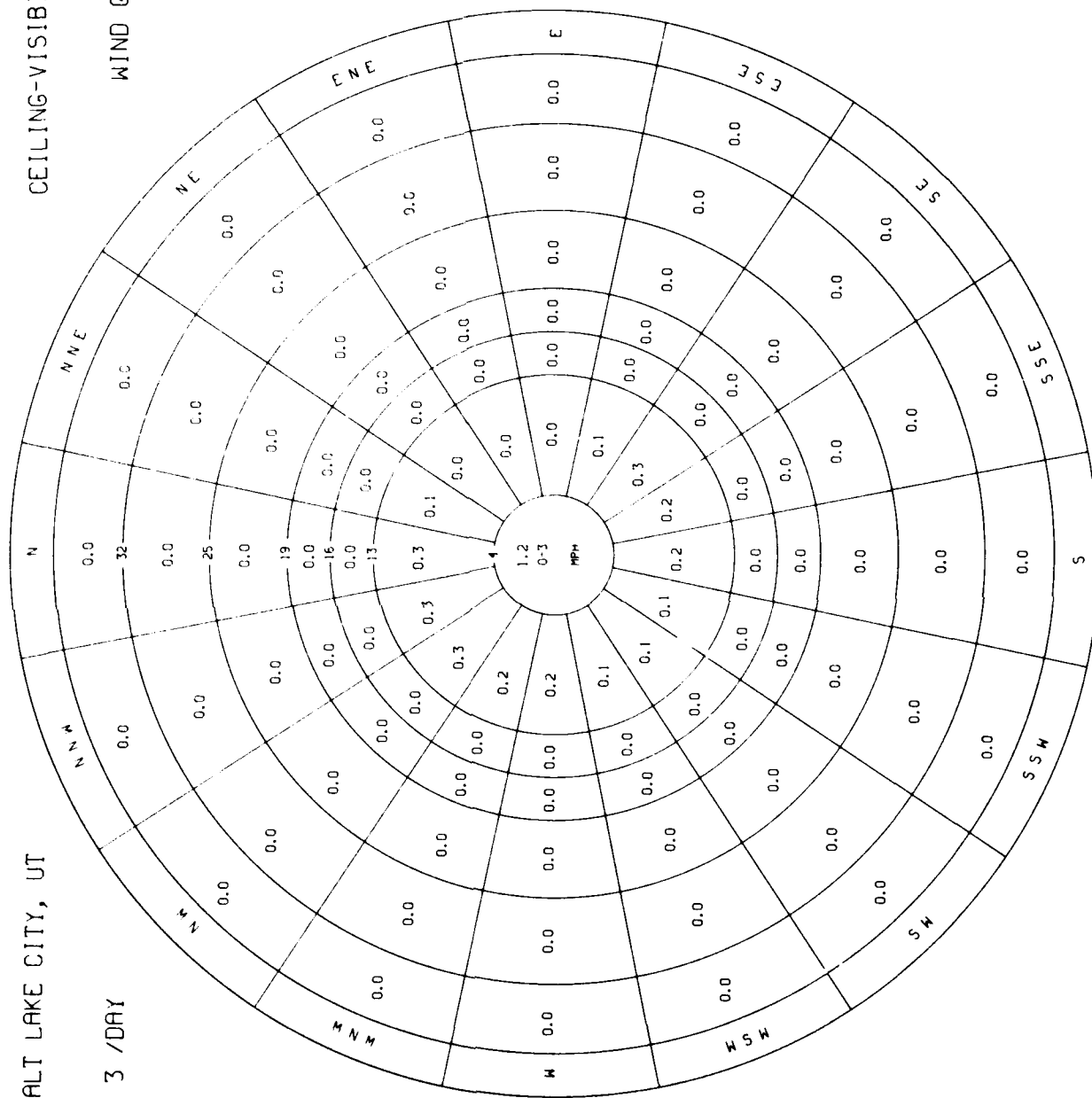
NO. OBS.: 2247

STATION NUMBER: 24127

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	2.2	.3	5.9	.1	.9	.0	.5	.0	.4	.0	.0	.0	.0	.6 10.0
NNE	.0	.8	.1	1.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1 2.4
NE	.0	.7	.1	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 2.2
ENE	.0	.8	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 1.4
E	.1	1.1	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 1.9
ESE	.1	1.2	.1	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 3.0
SE	.1	2.0	.4	6.9	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.5 9.2
SSE	.1	2.0	.5	8.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.6 10.3
S	.2	2.8	.4	6.3	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.5 9.7
SSW	.1	1.5	.1	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 2.8
SW	.1	1.7	.1	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 3.4
WSW	.1	1.6	.1	1.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2 3.0
W	.1	2.0	.2	3.5	.0	.2	.0	.3	.0	.0	.0	.0	.0	.0	.3 6.1
WNW	.1	1.9	.2	3.3	.0	.4	.0	.2	.0	.2	.0	.1	.0	.0	.4 6.2
NW	.1	1.6	.2	4.0	.0	.6	.0	.1	.0	.3	.0	.1	.0	.0	.4 6.8
NNW	.1	1.2	.2	4.3	.0	.7	.0	.6	.0	.4	.0	.1	.0	.0	.4 7.4
CALM	.8	14.2													.8 14.2
TOTAL	2.2	39.3	3.0	52.4	.2	4.0	.1	2.1	.1	1.6	.0	.4	.0	.1	5.7 100
															5.6

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: SLC SALT LAKE CITY, UT

CLASS 3 / DAY

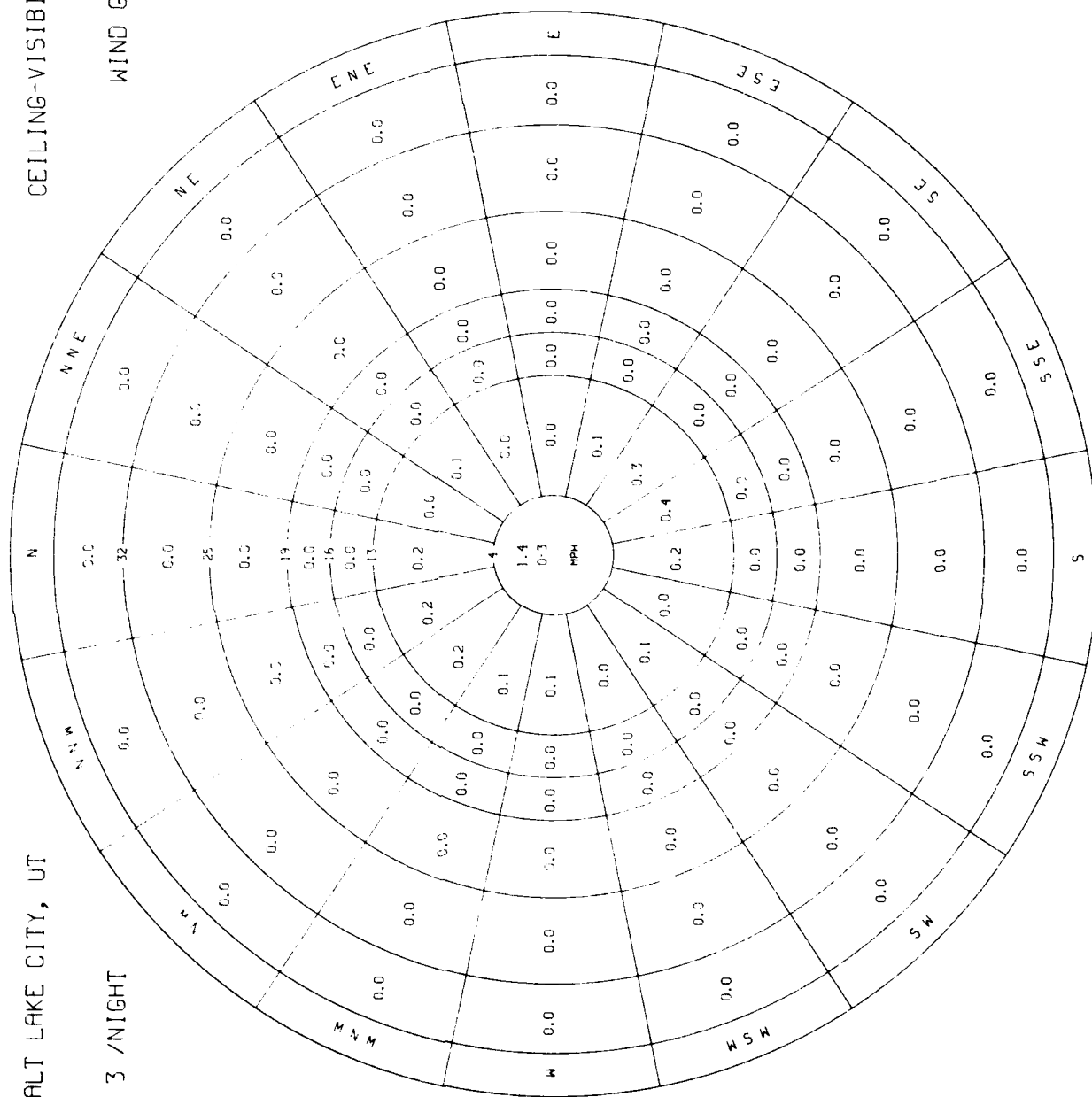
NO. OBS.: 2026

STATION NUMBER: 24127

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	2.1	.3	7.1	.0	.9	.0	.2	.0	.2	.0	.0	.0	.0	.4 10.5
NNE	.0	.7	.1	1.9	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1 2.9
NE	.0	.7	.0	1.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 1.9
ENE	.0	.4	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .9
E	.0	.8	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 2.0
ESE	.0	1.2	.1	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 2.9
SE	.0	1.2	.3	6.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.3 7.7
SSE	.1	1.7	.2	6.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.3 8.0
S	.1	1.9	.2	6.0	.0	.2	.0	.3	.0	.3	.0	.3	.0	.2	.4 9.2
SSW	.0	1.1	.1	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.5
SW	.0	1.2	.1	1.5	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1 2.8
WSW	.0	.7	.1	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 2.5
W	.1	1.9	.2	3.9	.0	.3	.0	.0	.0	.3	.0	.0	.0	.0	.3 6.5
WNW	.1	2.0	.2	5.1	.0	.5	.0	.4	.0	.0	.0	.0	.0	.0	.3 8.1
NW	.1	1.6	.3	7.2	.0	.7	.0	.3	.0	.3	.0	.0	.0	.0	.4 10.2
NNW	.0	1.1	.3	7.8	.0	1.1	.0	.3	.0	.3	.0	.0	.0	.0	.4 10.8
CALM	.4	9.4													.4 9.4
TOTAL	1.2	29.5	2.4	61.6	.2	4.6	.1	1.7	.1	1.5	.0	.6	.0	.3	4.0 100

SLC SALT LAKE CITY, UT

CLASS 3 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: SLC SALT LAKE CITY, UT

CLASS 3 / NIGHT

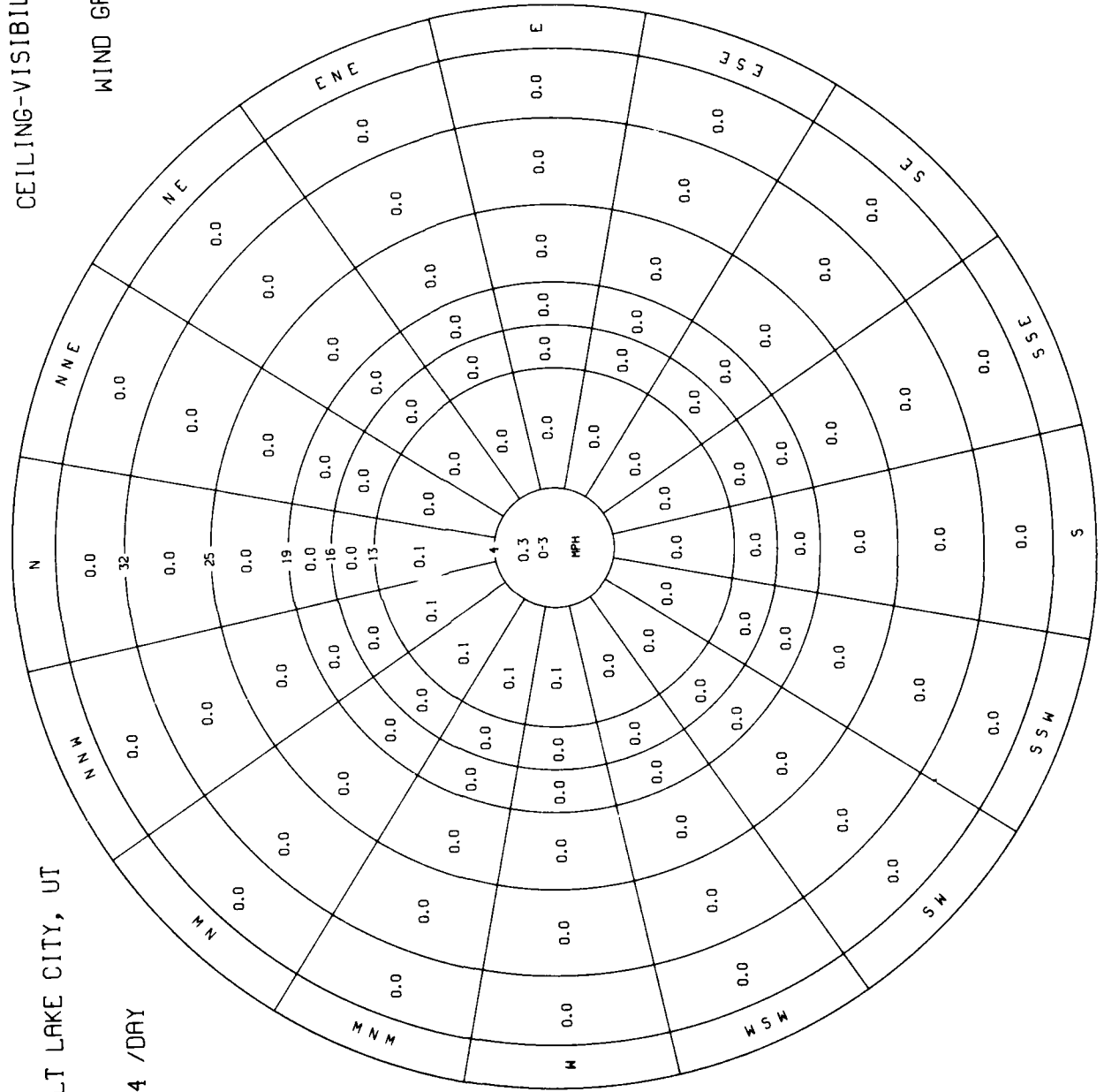
NO. OBS.: 1541

STATION NUMBER: 24127

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D
N	.1	1.6	.2	6.3	.0	.8	.0	.6	.0	.5	.0	.0	.0	.1	.4	9.9	8.6
NNE	.0	.8	.0	1.1	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.1	2.1	6.1
NE	.0	.7	.1	1.4	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.1	2.2	5.5
ENE	.0	.8	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.4	3.9
E	.0	1.2	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.1	4.0
ESE	.1	1.3	.1	1.7	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	3.0	5.0
SE	.1	1.9	.3	8.0	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.4	10.3	6.3
SSE	.1	2.0	.4	9.0	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.4	11.4	6.4
S	.1	2.3	.2	6.0	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.3	9.0	5.9
SSW	.0	1.2	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.3	4.3
SW	.1	1.5	.1	1.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.4	4.5
WSW	.1	1.4	.0	1.2	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1	2.8	5.1
W	.1	1.8	.1	3.6	.0	.3	.0	.4	.0	.1	.0	.0	.0	.0	.2	6.2	6.4
WNW	.1	1.8	.1	3.4	.0	.3	.0	.2	.0	.3	.0	.1	.0	.0	.2	6.2	7.3
NW	.1	1.4	.2	3.9	.0	.5	.0	.2	.0	.3	.0	.1	.0	.0	.2	6.4	8.0
NNW	.1	1.6	.2	4.4	.0	.7	.0	.6	.0	.4	.0	.1	.0	.1	.3	7.9	9.0
CALM	.5	13.2													.5	13.2	
TOTAL	1.4	36.5	2.1	54.7	.2	4.0	.1	2.6	.1	1.8	.0	.4	.0	.1	3.9	100	5.8

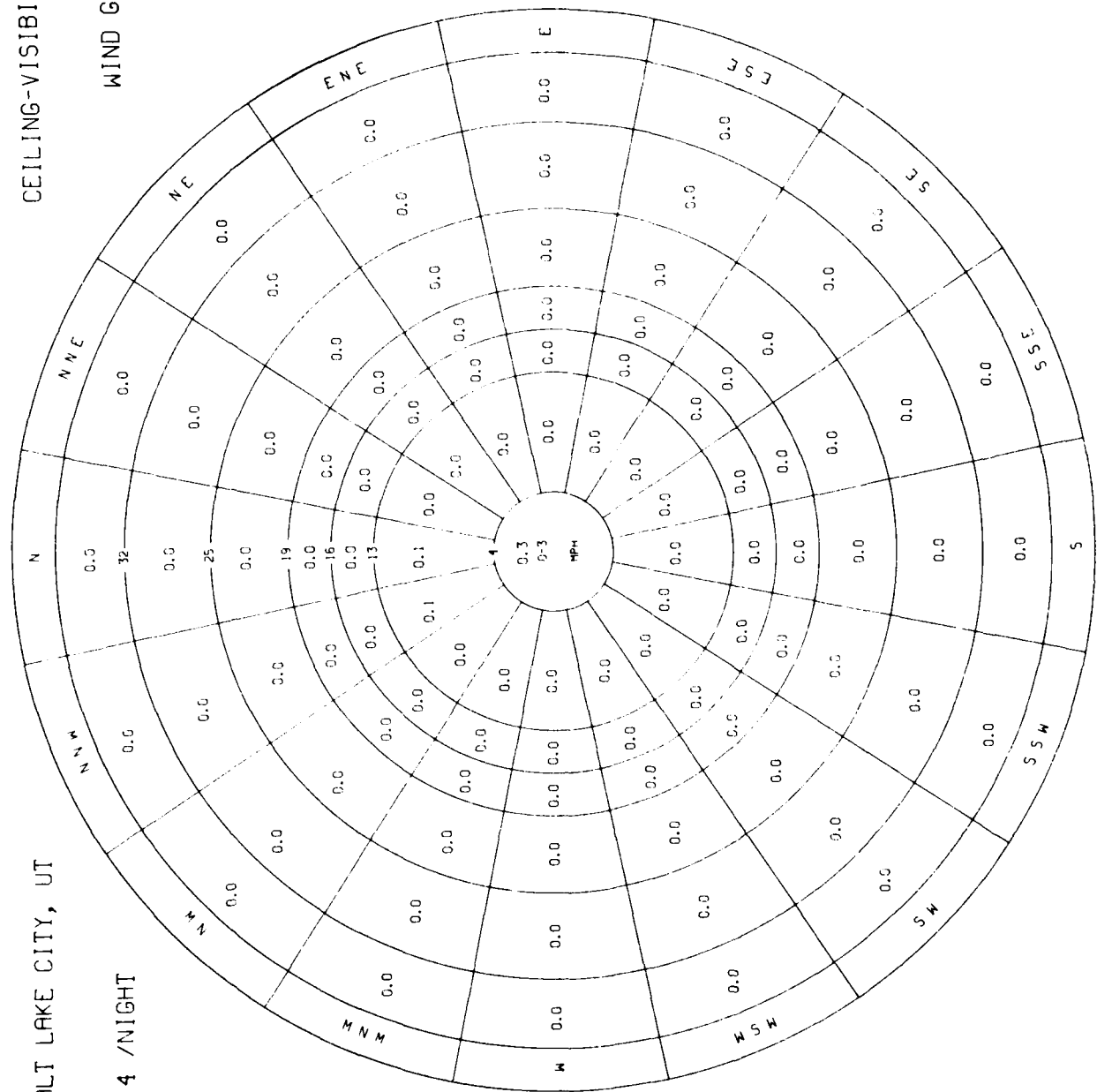
CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: SLC SALT LAKE CITY, UT

PERIOD: 1948-1978

CLASS 4 / NIGHT

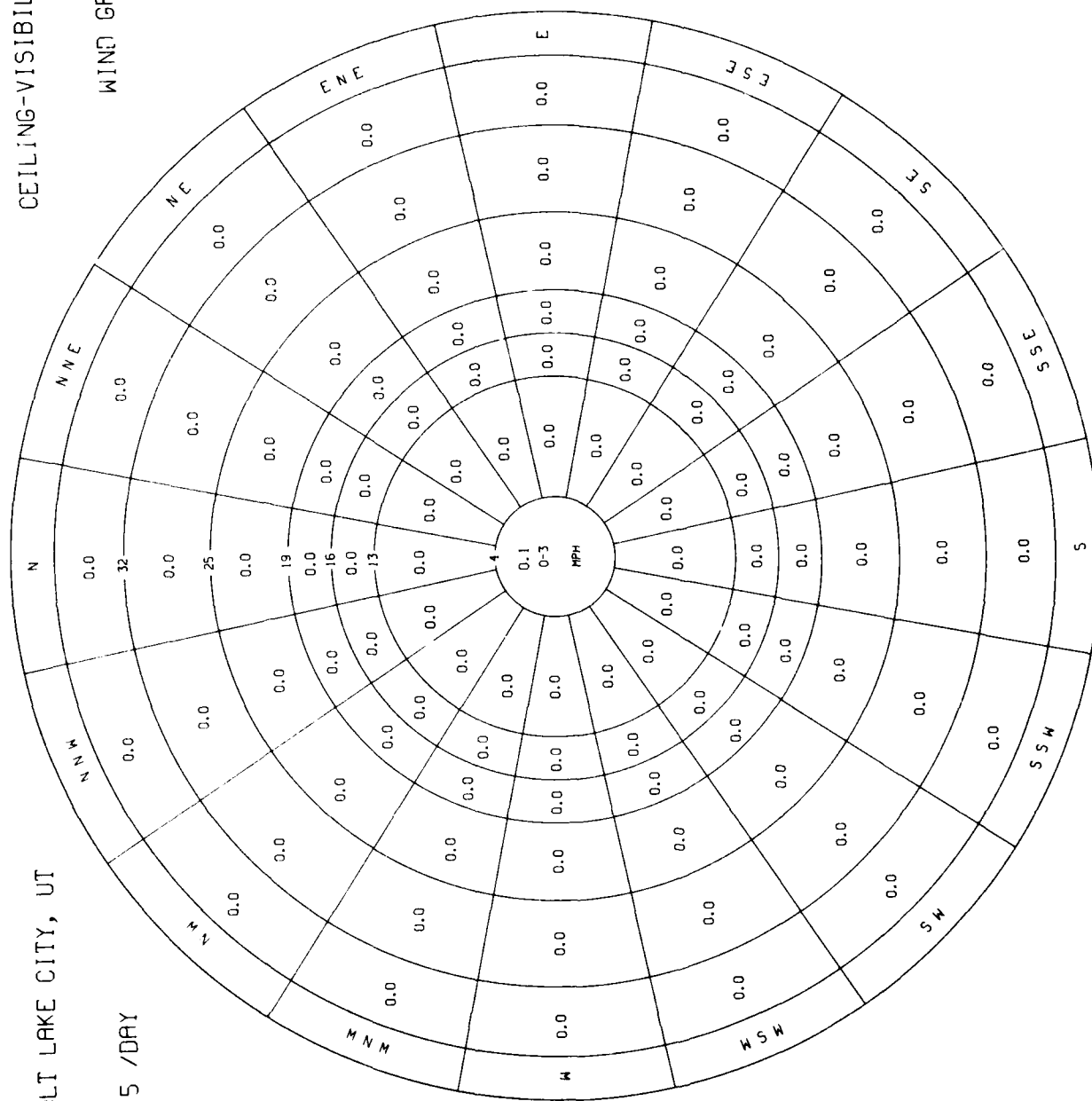
STATION NUMBER: 24127

NO. OBS.: 313

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C	D
N	.0	2.9	.1	8.0	.0	1.9	.0	.6	.0	1.0	.0	.0	.0	.0	.0	.1	14.4	8.8
NNE	.0	.6	.0	3.5	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8	7.1
NE	.0	1.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	5.6
ENE	.0	1.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	3.5
E	.0	.3	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	5.7
ESE	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	6.6
SE	.0	1.0	.0	4.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.4	5.3
SSE	.0	1.3	.0	5.8	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.7	6.3
S	.0	2.6	.0	5.8	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	8.6	5.8
SSW	.0	1.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	5.1
SW	.0	1.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	4.6
WSW	.0	1.6	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	4.0
W	.0	1.6	.0	3.2	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	5.1	6.3
WNW	.0	1.0	.0	4.8	.0	1.6	.0	.3	.0	.0	.0	.3	.0	.0	.0	.1	8.0	9.9
NW	.0	2.2	.0	4.5	.0	1.9	.0	.0	.0	.6	.0	.3	.0	.0	.0	.1	9.6	8.7
NNW	.0	.6	.1	6.7	.0	1.3	.0	1.0	.0	.3	.0	.0	.0	.0	.0	.1	9.9	9.7
CALM	.1	12.8														.1	12.8	
TOTAL	.3	32.3	.4	54.6	.1	8.3	.0	2.2	.0	1.9	.0	.6	.0	.0	.0	.8	100	6.4

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: SLC SALT LAKE CITY, UT

PERIOD: 1948-1978

CLASS 5 / DAY

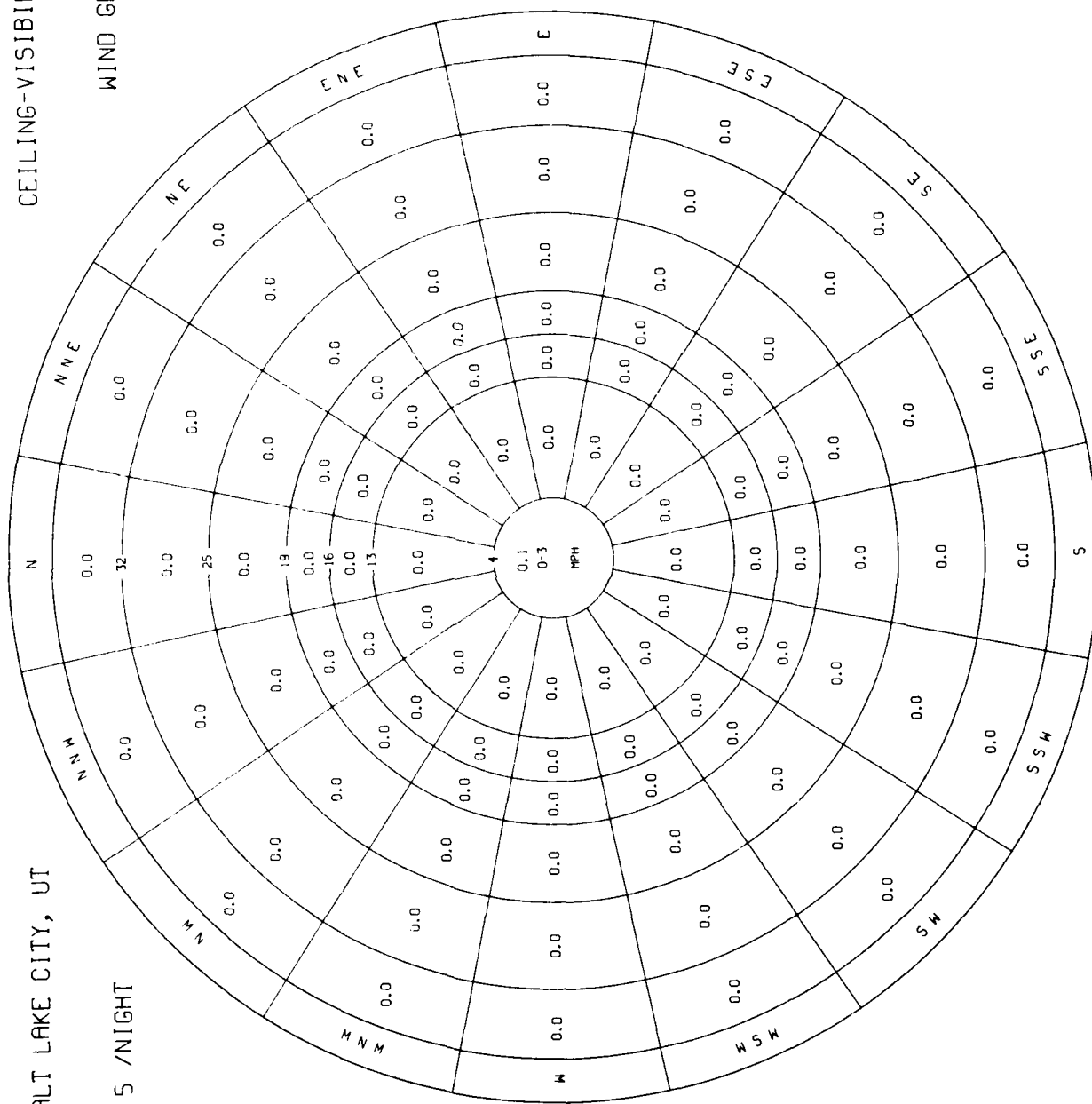
STATION NUMBER: 24127

NO. OBS.: 130

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D
N	.0	4.6	.0	9.2	.0	.8	.0	1.5	.0	.0	.0	.0	.0	.0	.0	16.2	7.3
NNE	.0	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	3.0
NE	.0	.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	7.0
ENE	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	7.0
E	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	1.0
ESE	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	1.0
SE	.0	.0	.0	4.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6	7.8
SSE	.0	.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	7.0
S	.0	.8	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	6.3
SSW	.0	1.5	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	4.2
SW	.0	.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	5.5
WSW	.0	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	5.3
W	.0	3.8	.0	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.7	3.9
WNW	.0	2.3	.0	5.4	.0	.8	.0	1.5	.0	.8	.0	.0	.0	.0	.0	10.8	8.2
NW	.0	2.3	.0	7.7	.0	3.1	.0	.8	.0	3.1	.0	.0	.0	.0	.0	16.9	11.1
NNW	.0	6.9	.0	7.7	.0	1.5	.0	.8	.0	.8	.0	.0	.0	.0	.0	17.7	7.1
CALM	.0	8.5													.0	8.5	
TOTAL	.1	33.8	.1	50.8	.0	6.2	.0	4.6	.0	4.6	.0	.0	.0	.0	.3	100	6.7

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: SLC SALT LAKE CITY, UT

PERIOD: 1948-1978

CLASS 5 / NIGHT

STATION NUMBER: 24127

NO. OBS.: 116

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C	D
N	.0	1.7	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.2	5.2	
NNE	.0	1.7	.0	.9	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	8.0	
NE	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	3.0	
ENE	.0	.9	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	4.0	
E	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	2.0	
ESE	.0	.9	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	4.0	
SE	.0	1.7	.0	6.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.8	6.6	
SSE	.0	1.7	.0	9.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.2	5.3	
S	.0	2.6	.0	8.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.2	5.8	
SSW	.0	2.6	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	3.2	
SW	.0	2.6	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	2.7	
WSW	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	1.0	
W	.0	3.4	.0	8.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.1	4.8	
WNW	.0	1.7	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	4.8	
NW	.0	.0	.0	6.9	.0	.0	.0	.0	.0	.9	.0	.0	.0	.0	.0	7.8	7.5	
NNW	.0	.0	.0	1.7	.0	.0	.0	.9	.0	2.6	.0	.9	.0	.0	.0	6.0	17.4	
CALM	.0	16.4													.0	16.4		
TOTAL	.1	40.5	.2	52.6	.0	1.7	.0	.9	.0	3.4	.0	.9	.0	.0	.0	3	100	5.2

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: SLC SALT LAKE CITY, UT

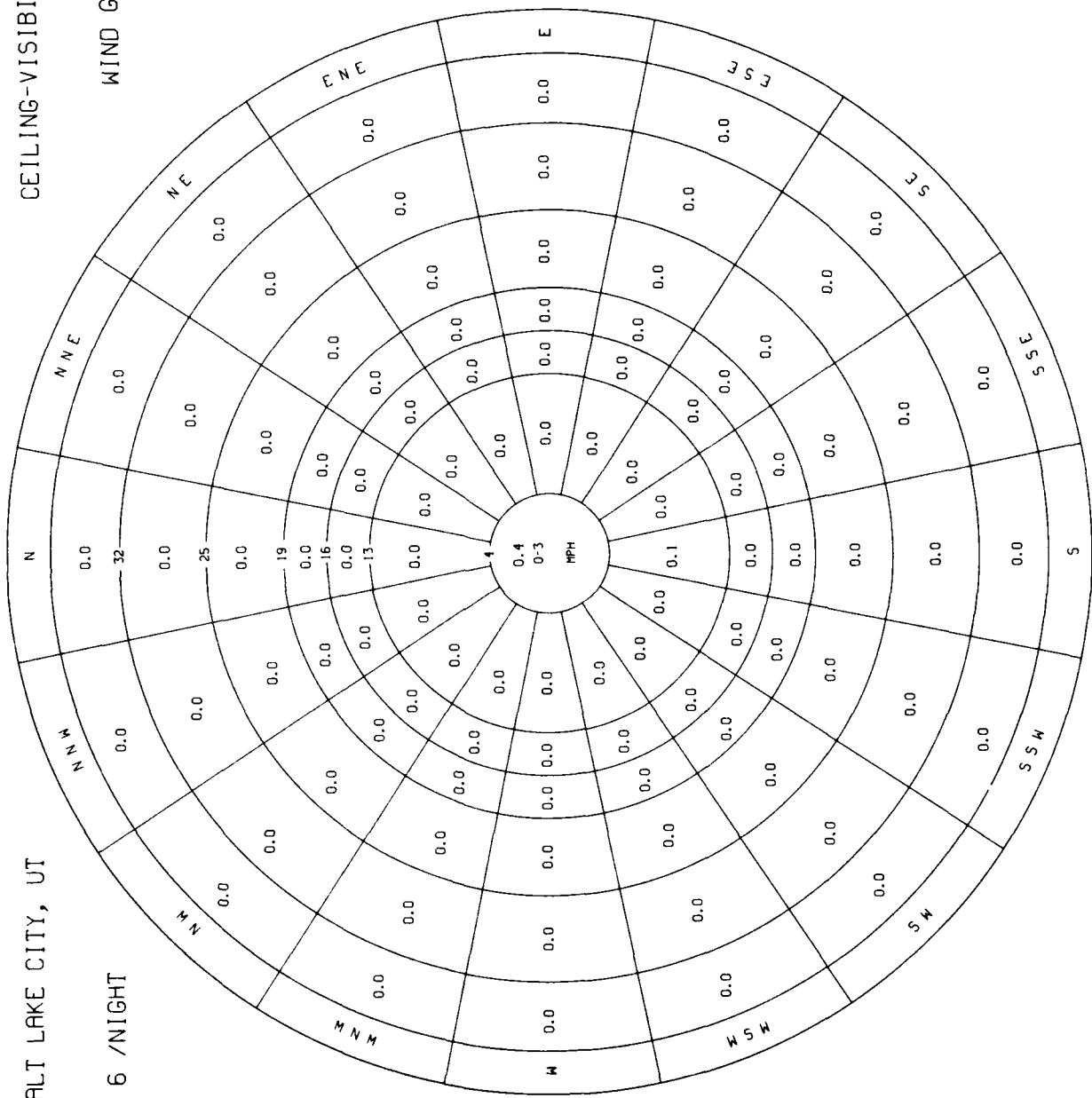
CLASS 6 / DAY

NO. OBS.: 198

STATION NUMBER: 24127

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+ *			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C	D
N	.0	5.1	.0	4.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.6	4.1
NNE	.0	2.5	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	3.6
NE	.0	.5	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	4.3
ENE	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	4.0
E	.0	.5	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	4.0
ESE	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	4.0
SE	.0	1.0	.0	4.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.1	5.6
SSE	.0	1.5	.0	4.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.6	5.8
S	.0	5.6	.0	4.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.1	4.1
SSW	.0	3.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	3.0
SW	.0	3.5	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.1	3.4
WSW	.0	1.5	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	3.4
W	.0	2.0	.0	5.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.1	4.9
WNW	.0	5.1	.0	5.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.6	4.5
NW	.0	1.5	.0	6.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.1	8.2
NNW	.0	.5	.0	4.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.1	8.8
CALM	.1	16.2														.1	16.2	
TOTAL	.2	51.0	.2	47.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	100	4.2

CEILING-VISIBILITY
WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: SLC SALT LAKE CITY, UT

CLASS 6 / NIGHT

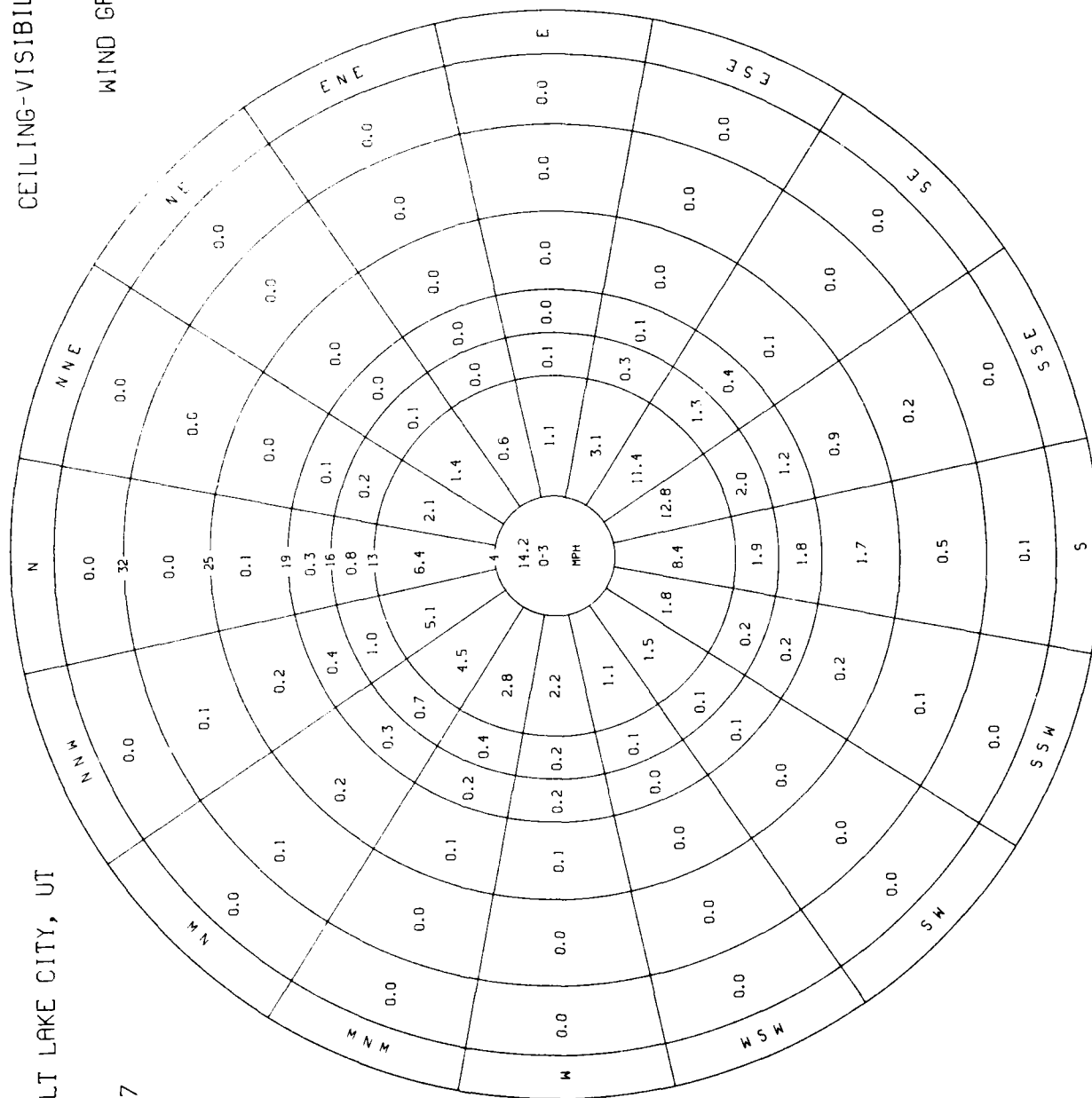
NO. OBS.: 277

STATION NUMBER: 24127

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
																C	D	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B				C
N	.0	5.1	.0	2.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.6	3.7
NNE	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	6.7
NE	.0	.4	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	5.4
ENE	.0	.7	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	3.3
E	.0	1.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	4.4
ESE	.0	2.2	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	4.1
SE	.0	4.3	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.6	3.9
SSE	.0	2.5	.0	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.9	5.3
S	.0	6.1	.1	7.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	14.1	5.4
SSW	.0	3.6	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.7	3.2
SW	.0	3.2	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.7	3.3
WSW	.0	2.5	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.4	4.0
W	.0	2.9	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	3.5
WNW	.0	3.2	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.1	3.5
NW	.0	2.5	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.8	4.6
NNW	.0	.7	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	5.2
CALM	.1	20.9														.1	20.9	
TOTAL	.4	62.5	.3	37.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	100	3.3

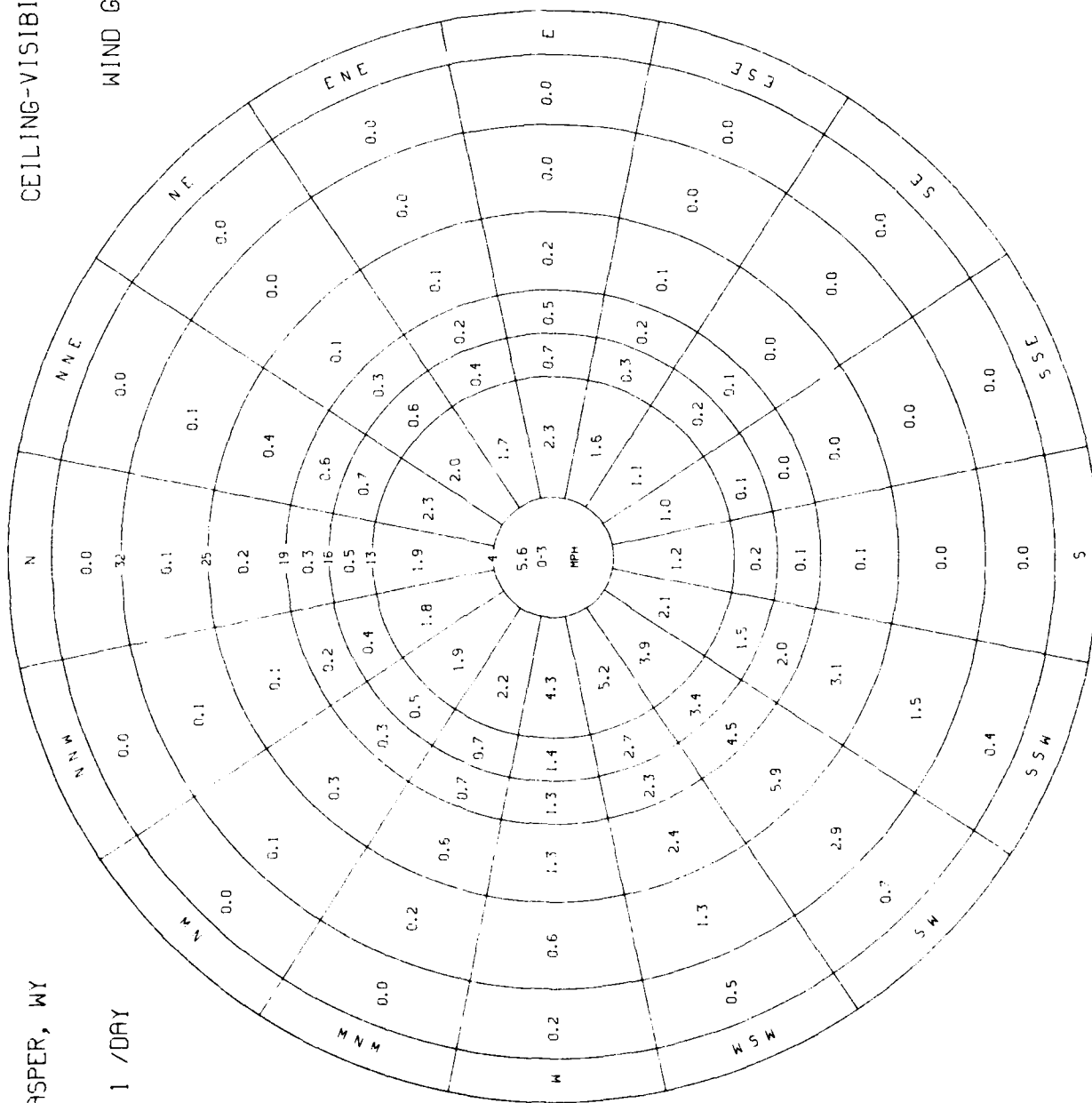
SLC SALT LAKE CITY, UT

CLASS 7



CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1951-1978

STATION NAME: CPR CASPER, WY

CLASS 1 / DAY

NO. OBS.: 44001

STATION NUMBER: 24089

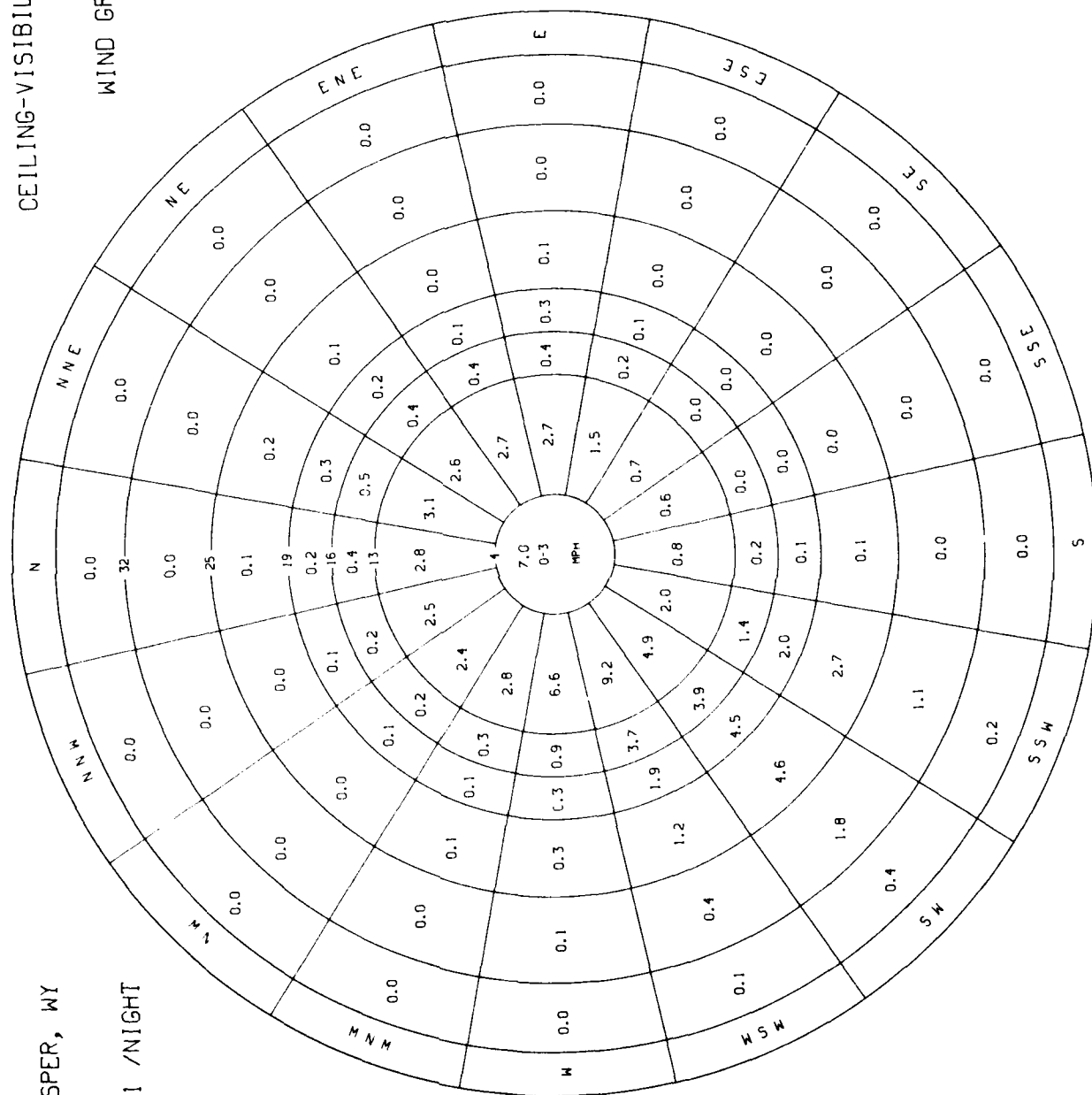
D I R	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.2	.2	1.9	2.1	.5	.5	.3	.4	.2	.3	.1	.1	.0	.0	3.3	3.5	11.2
NNE	.2	.2	2.3	2.5	.7	.8	.6	.6	.4	.4	.1	.1	.0	.0	4.3	4.5	11.9
NE	.2	.2	2.0	2.1	.6	.6	.3	.3	.1	.1	.0	.0	.0	.0	3.2	3.4	10.5
ENE	.2	.2	1.7	1.8	.4	.5	.2	.2	.1	.1	.0	.0	.0	.0	2.5	2.7	9.9
E	.2	.2	2.3	2.4	.7	.7	.5	.5	.2	.3	.0	.0	.0	.0	3.9	4.1	11.1
ESE	.1	.1	1.6	1.7	.3	.4	.2	.2	.1	.1	.0	.0	.0	.0	2.4	2.5	10.3
SE	.2	.2	1.1	1.2	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	1.6	1.7	8.6
SSE	.1	.1	1.0	1.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.3	1.4	7.8
S	.2	.2	1.2	1.3	.2	.2	.1	.1	.1	.1	.0	.0	.0	.0	1.9	2.0	9.8
SSW	.2	.2	2.1	2.2	1.5	1.6	2.0	2.2	3.1	3.3	1.5	1.6	.4	.4	10.8	11.5	18.2
SW	.2	.2	3.9	4.1	3.4	3.6	4.5	4.8	5.9	6.2	2.9	3.0	.7	.7	21.3	22.7	18.3
WSW	.2	.2	5.2	5.5	2.7	2.9	2.3	2.4	2.4	2.5	1.3	1.4	.5	.5	14.5	15.5	15.7
W	.3	.3	4.3	4.6	1.4	1.5	1.3	1.4	1.3	1.4	.6	.6	.2	.2	9.4	10.0	13.9
WNW	.2	.2	2.2	2.4	.7	.8	.7	.8	.6	.7	.2	.3	.0	.0	4.8	5.1	13.3
NW	.1	.1	1.9	2.0	.5	.5	.3	.3	.3	.3	.1	.1	.0	.0	3.2	3.4	11.5
NNW	.1	.1	1.8	1.9	.4	.4	.2	.2	.1	.1	.1	.1	.0	.0	2.7	2.9	10.6
CALM	2.9	3.0													2.9	3.0	
TOTAL	5.6	5.9	36.5	38.9	14.2	15.2	13.7	14.6	15.0	16.0	6.9	7.4	1.9	2.0	93.8	100	14.2

CEILING-VISIBILITY

WIND GRAPH

CPR CASPER, WY

CLASS 1 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1951-1978

STATION NAME: CAP CASPER, WY

CLASS 1 / NIGHT

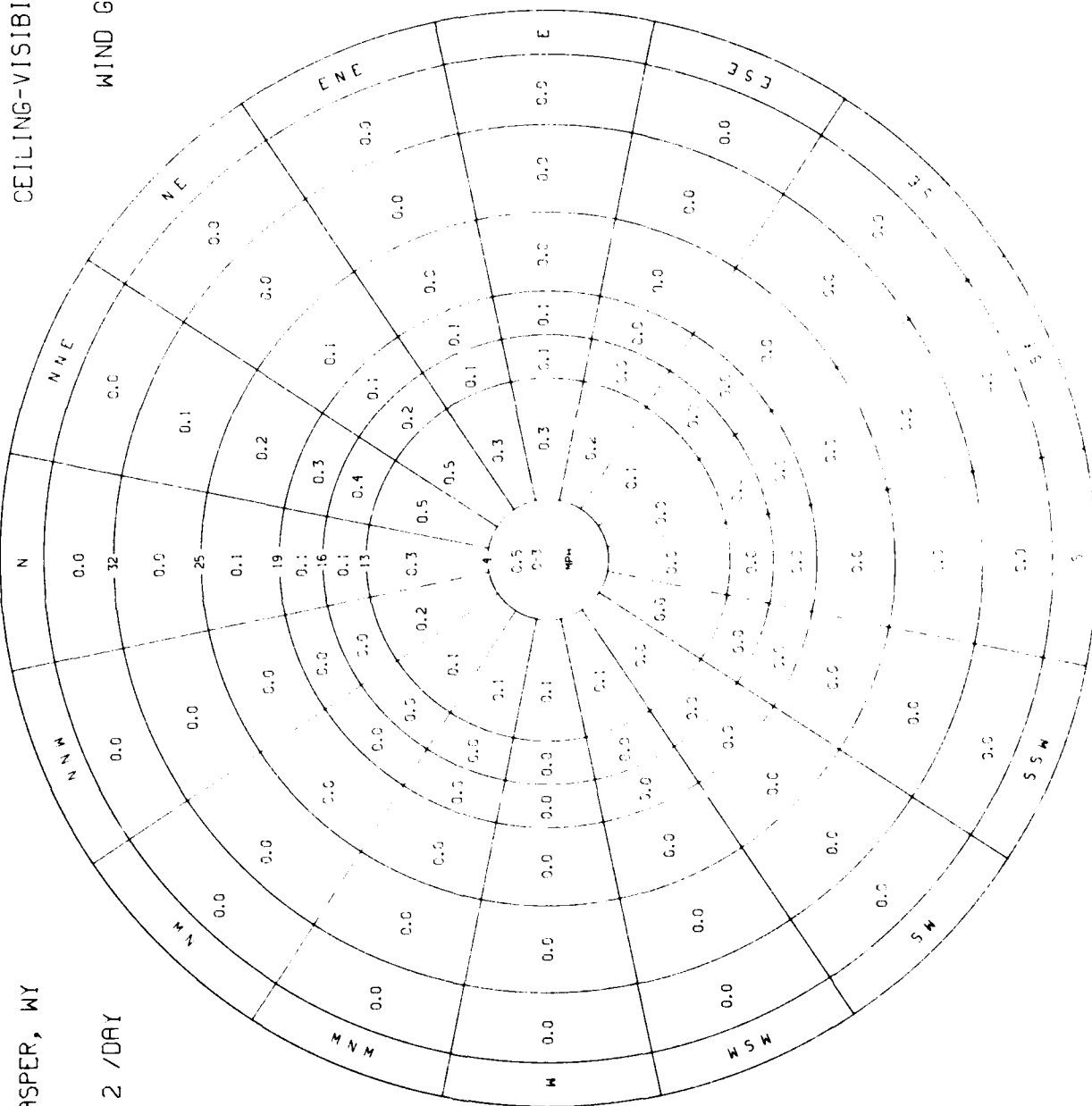
NO. OBS.: 32185

STATION NUMBER: 24089

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.3	.3	2.8	3.1	.4	.4	.2	.2	.1	.1	.0	.0	.0	.0	3.8	4.1	9.0
NNE	.2	.2	3.1	3.4	.5	.5	.3	.3	.2	.2	.0	.0	.0	.0	4.4	4.8	9.8
NNE	.2	.2	2.6	2.8	.4	.4	.2	.2	.1	.1	.0	.0	.0	.0	3.4	3.7	8.9
ENE	.2	.2	2.7	2.9	.4	.4	.1	.2	.0	.0	.0	.0	.0	.0	3.4	3.7	8.9
E	.2	.2	2.7	3.0	.4	.5	.3	.3	.1	.1	.0	.0	.0	.0	3.8	4.1	9.6
ESE	.1	.1	1.5	1.6	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	1.9	2.1	8.8
SE	.1	.2	.7	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	1.0	7.1
SSE	.1	.1	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.8	7.1
S	.1	.1	.8	.9	.2	.2	.1	.1	.1	.1	.0	.0	.0	.0	1.3	1.4	9.7
SSW	.1	.1	2.0	2.1	1.4	1.5	2.0	2.1	2.7	3.0	1.1	1.2	.2	.2	9.5	10.3	17.7
SW	.2	.2	4.9	5.3	3.9	4.2	4.5	4.9	4.6	5.0	1.8	1.9	.4	.4	20.2	21.9	16.7
WSW	.3	.4	9.2	10.0	3.7	4.0	1.9	2.0	1.2	1.3	.4	.4	.1	.1	16.8	18.2	12.3
W	.4	.4	6.6	7.1	.9	1.0	.3	.4	.3	.3	.1	.1	.0	.0	8.7	9.4	9.7
WNW	.3	.3	2.8	3.1	.3	.3	.1	.2	.1	.1	.0	.0	.0	.0	3.7	4.0	8.8
NW	.2	.2	2.4	2.7	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.9	3.2	8.0
NNW	.2	.2	2.5	2.7	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	3.0	3.3	8.0
CALM	3.8	4.1													3.8	4.1	
TOTAL	7.0	7.6	47.9	51.9	13.1	14.2	10.2	11.1	9.7	10.5	3.5	3.8	.7	.8	92.2	100	11.8

CEILING-VISIBILITY

WIND GRAPH



CPR CASPER, WY

CLASS 2 /DAY

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1951-1978

STATION NAME: CPR CASPER, WY

CLASS 2 / DAY

NO. OBS.: 2894

STATION NUMBER: 24089

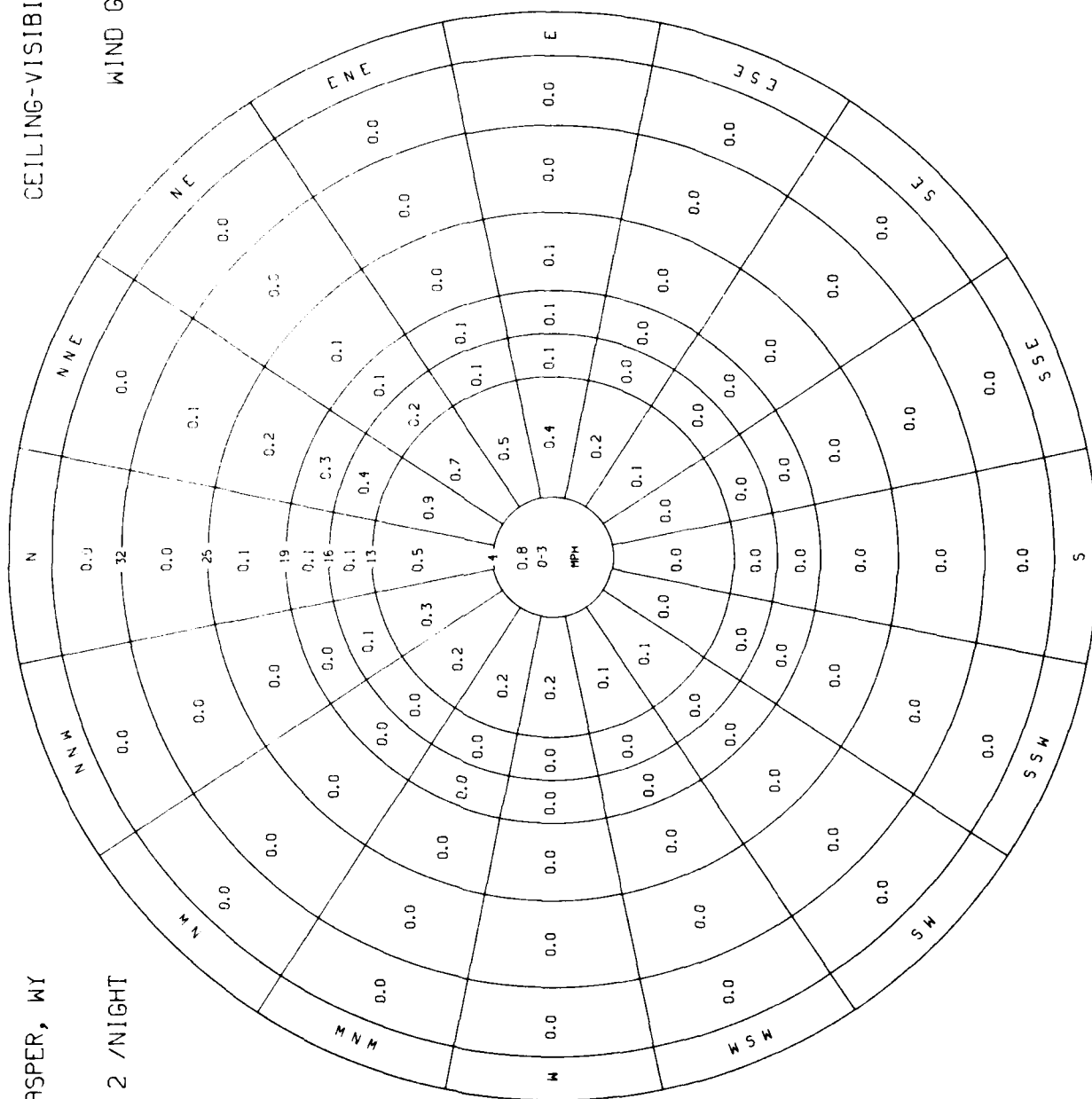
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.2	.3	5.0	.1	1.9	.1	1.6	.1	1.7	.0	.4	.0	.0	.7 10.8
NNE	.0	.2	.5	8.7	.4	5.7	.3	4.7	.2	3.5	.1	1.2	.0	.3	1.5 24.4
NNE	.0	.3	.5	8.4	.2	3.6	.1	2.2	.1	1.1	.0	.1	.0	.0	1.0 15.8
ENE	.0	.3	.3	5.6	.1	2.0	.1	1.2	.0	.7	.0	.0	.0	.0	.6 9.9
E	.0	.4	.3	4.6	.1	2.2	.1	1.6	.0	.7	.0	.3	.0	.0	.6 9.8
ESE	.0	.3	.2	3.0	.0	.6	.0	.2	.0	.1	.0	.0	.0	.0	.3 4.2
SE	.0	.2	.1	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 1.4
SSE	.0	.1	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .7
S	.0	.1	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .5
SSW	.0	.0	.0	.8	.0	.1	.0	.1	.0	.0	.0	.0	.0	.1	.1 1.2
SW	.0	.1	.0	.7	.0	.2	.0	.1	.0	.2	.0	.0	.0	.0	.1 1.3
WSW	.0	.3	.1	1.6	.0	.2	.0	.2	.0	.0	.0	.1	.0	.1	.2 2.6
W	.0	.2	.1	1.7	.0	.4	.0	.3	.0	.3	.0	.1	.0	.0	.2 3.1
WNW	.0	.1	.1	1.5	.0	.1	.0	.2	.0	.2	.0	.1	.0	.0	.1 2.2
NW	.0	.3	.1	2.0	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.2 2.9
NNW	.0	.2	.2	2.8	.0	.7	.0	.2	.0	.5	.0	.0	.0	.0	.3 4.5
CALM	.3	4.8													.3 4.8
TOTAL	.5	8.3	3.0	48.4	1.1	18.3	.8	12.8	.6	9.1	.2	2.5	.0	.6	6.2 100

CEILING-VISIBILITY

WIND GRAPH

CPR CASPER, WY

CLASS 2 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1951-1978

STATION NAME: CPR CASPER, WY

CLASS 2 / NIGHT

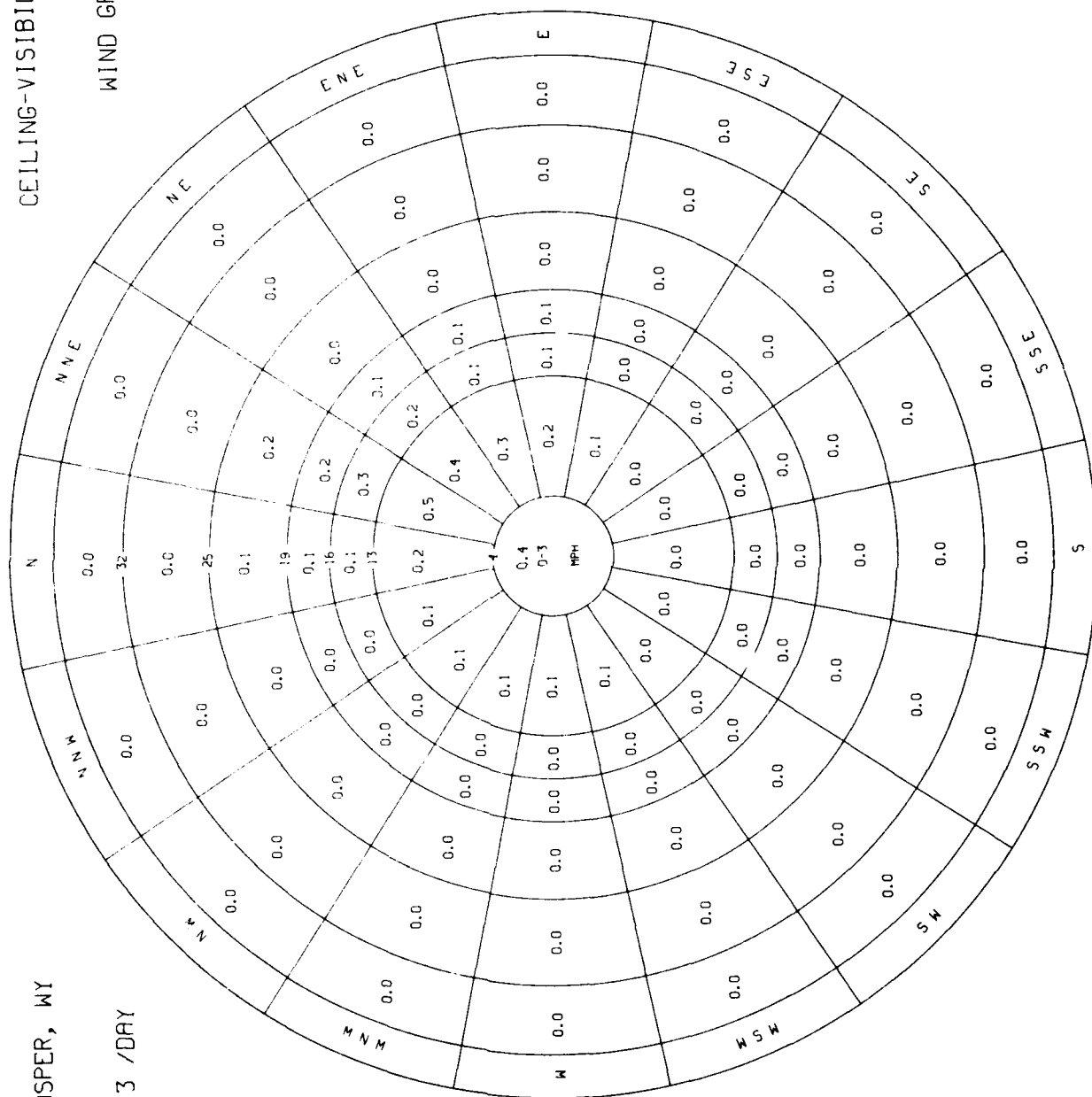
NO. OBS.: 2725

STATION NUMBER: 24089

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
																A	B
A	B	A	B	A	B	A	B	A	B	A	B	C	D				
N	.1	.7	.5	6.8	.1	1.8	.1	1.7	.1	1.4	.0	.5	.0	.2	1.0	13.1	12.7
NNE	.0	.3	.9	11.2	.4	4.7	.3	3.8	.2	2.2	.1	.7	.0	.1	1.8	23.0	13.0
NE	.0	.5	.7	8.6	.2	3.0	.1	1.8	.1	.7	.0	.1	.0	.0	1.2	14.8	11.5
ENE	.0	.4	.5	5.9	.1	1.5	.1	.9	.0	.4	.0	.1	.0	.1	.7	9.3	10.9
E	.0	.3	.4	5.8	.1	1.4	.1	.8	.1	.7	.0	.0	.0	.0	.7	9.0	10.7
ESE	.0	.3	.2	2.1	.0	.3	.0	.0	.0	.1	.0	.0	.0	.0	.2	2.8	8.3
SE	.0	.3	.1	1.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.6	6.3
SSE	.0	.3	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.8	5.1
S	.0	.2	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	5.1
SSW	.0	.2	.0	.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.0	7.7
SW	.0	.2	.1	1.1	.0	.2	.0	.2	.0	.1	.0	.1	.0	.0	.1	1.9	10.3
WSW	.0	.3	.1	1.8	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2	2.4	7.6
W	.0	.3	.2	2.5	.0	.2	.0	.2	.0	.2	.0	.0	.0	.0	.3	3.4	9.5
WNW	.0	.2	.2	2.2	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.2	2.9	8.8
NW	.0	.3	.2	2.5	.0	.1	.0	.0	.0	.2	.0	.0	.0	.0	.2	3.2	9.0
NNW	.0	.4	.3	3.8	.1	.7	.0	.3	.0	.2	.0	.0	.0	.0	.4	5.5	9.4
CALM	.4	4.8													.4	4.8	
TOTAL	.8	10.0	4.4	56.9	1.1	14.5	.8	10.1	.5	6.3	.1	1.7	.0	.5	7.8	100	10.6

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1951-1978

STATION NAME: CPR CASPER, WY

CLASS 3 / DAY

NO. OBS.: 2336

STATION NUMBER: 24089

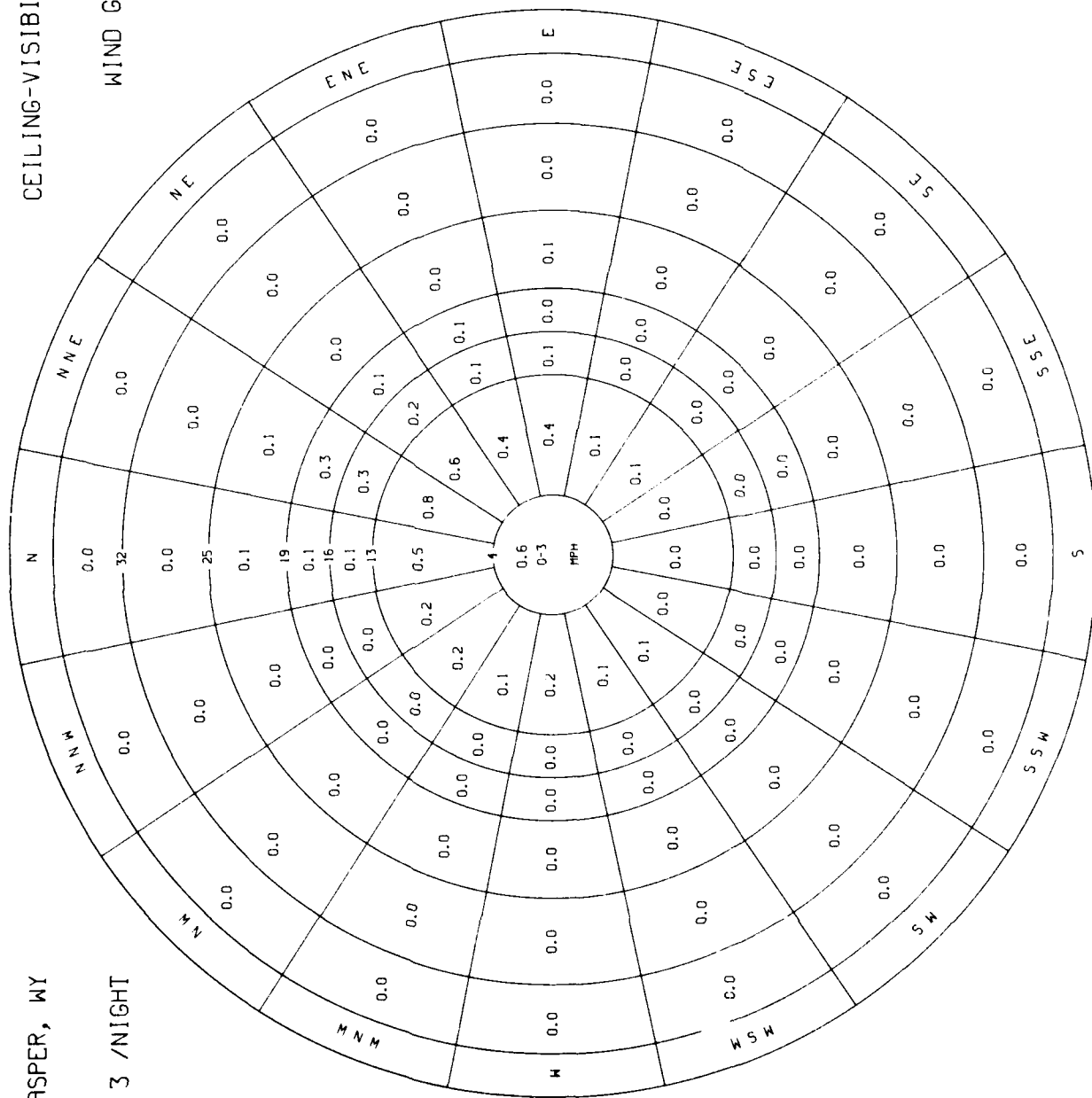
D I R	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
															C	D	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.3	.2	5.0	.1	2.0	.1	1.7	.1	1.5	.0	.2	.0	.0	.5	10.6	13.1
NNE	.0	.3	.5	9.1	.3	5.8	.2	5.0	.2	3.4	.0	1.0	.0	.2	1.2	24.8	14.3
NE	.0	.2	.4	8.7	.2	3.9	.1	2.3	.0	1.0	.0	.1	.0	.0	.8	16.2	12.0
ENE	.0	.2	.3	5.8	.1	2.3	.1	1.2	.0	.6	.0	.0	.0	.0	.5	10.1	11.5
E	.0	.3	.2	4.8	.1	2.5	.1	1.9	.0	.7	.0	.3	.0	.0	.5	10.4	12.6
ESE	.0	.3	.1	2.8	.0	.7	.0	.2	.0	.1	.0	.0	.0	.0	.2	4.1	9.5
SE	.0	.2	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.2	6.8
SSE	.0	.2	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	5.7
S	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	7.2
SSW	.0	.0	.0	.9	.0	.1	.0	.1	.0	.0	.0	.0	.0	.1	.1	1.2	11.1
SW	.0	.1	.0	.7	.0	.2	.0	.2	.0	.2	.0	.0	.0	.0	.1	1.4	13.0
WSW	.0	.2	.1	1.7	.0	.3	.0	.2	.0	.0	.0	.1	.0	.0	.1	2.6	10.4
W	.0	.2	.1	1.6	.0	.4	.0	.3	.0	.3	.0	.0	.0	.0	.1	2.8	10.8
WNW	.0	.2	.1	1.5	.0	.1	.0	.2	.0	.2	.0	.0	.0	.0	.1	2.2	10.0
NW	.0	.3	.1	2.0	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.1	2.7	8.7
NNW	.0	.3	.1	2.7	.0	.5	.0	.2	.0	.4	.0	.0	.0	.0	.2	4.1	10.4
CALM	.2	4.4													.2	4.4	
TOTAL	.4	7.6	2.5	49.4	.9	19.0	.7	13.5	.4	8.4	.1	1.8	.0	.3	5.0	100	11.7

CEILING-VISIBILITY

WIND GRAPH

CPR CASPER, WY

CLASS 3 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1951-1978

STATION NAME: CPR CASPER, WY

CLASS 3 / NIGHT

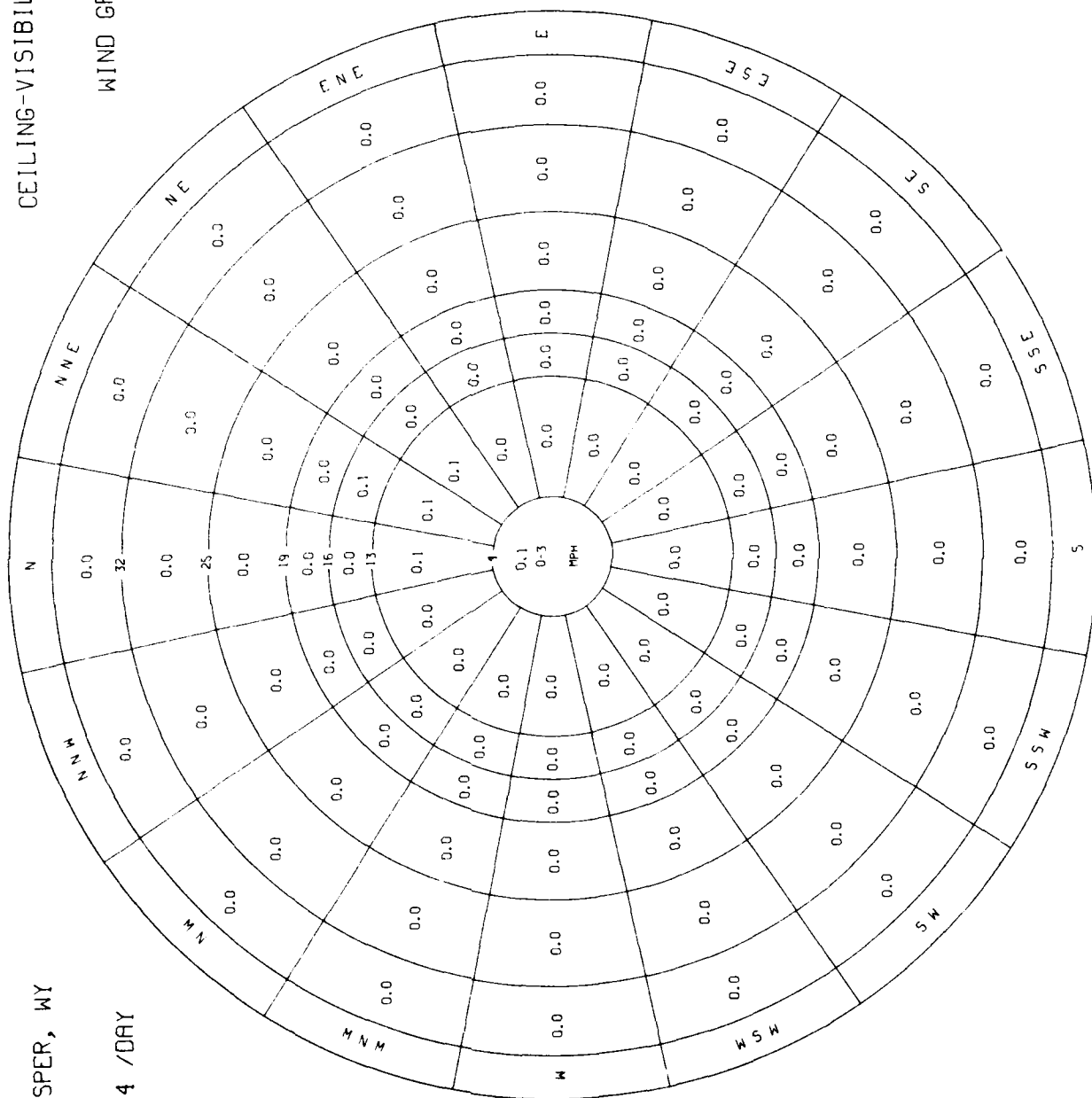
NO. OBS.: 2269

STATION NUMBER: 24089

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
																	TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D
N	.0	.7	.5	7.1	.1	1.8	.1	1.7	.1	1.3	.0	.4	.0	.2	.9	13.2	12.1
NNE	.0	.3	.8	12.1	.3	4.9	.3	3.9	.1	2.2	.0	.6	.0	.1	1.6	24.2	12.8
NE	.0	.6	.6	9.0	.2	3.1	.1	2.0	.0	.7	.0	.1	.0	.0	1.0	15.5	11.5
ENE	.0	.3	.4	6.2	.1	1.5	.1	.9	.0	.4	.0	.1	.0	.0	.6	9.5	10.8
E	.0	.3	.4	5.5	.1	1.4	.0	.7	.1	.8	.0	.0	.0	.0	.6	8.8	11.1
ESE	.0	.3	.1	1.6	.0	.3	.0	.0	.0	.1	.0	.0	.0	.0	.2	2.4	8.7
SE	.0	.2	.1	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.4	6.7
SSE	.0	.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	5.5
S	.0	.1	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	5.8
SSW	.0	.2	.0	.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.1	7.2
SW	.0	.2	.1	1.1	.0	.2	.0	.3	.0	.1	.0	.1	.0	.0	.1	1.9	10.6
WSW	.0	.3	.1	1.6	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.2	7.8
W	.0	.2	.2	2.7	.0	.1	.0	.3	.0	.2	.0	.0	.0	.0	.2	3.4	9.3
WNW	.0	.2	.1	1.9	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.2	2.6	9.0
NW	.0	.2	.2	2.7	.0	.1	.0	.0	.0	.2	.0	.0	.0	.0	.2	3.3	8.9
NNW	.0	.3	.2	3.8	.0	.7	.0	.3	.0	.2	.0	.0	.0	.0	.3	5.3	9.2
CALM	.3	4.2													.3	4.2	
TOTAL	.6	8.8	3.8	58.0	1.0	14.8	.7	10.4	.4	6.3	.1	1.3	.0	.3	6.5	100	10.6

CPR CASPER, WY

CLASS 4 / DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1951-1978

STATION NAME: CPR CASPER, WY

CLASS 4 / DAY

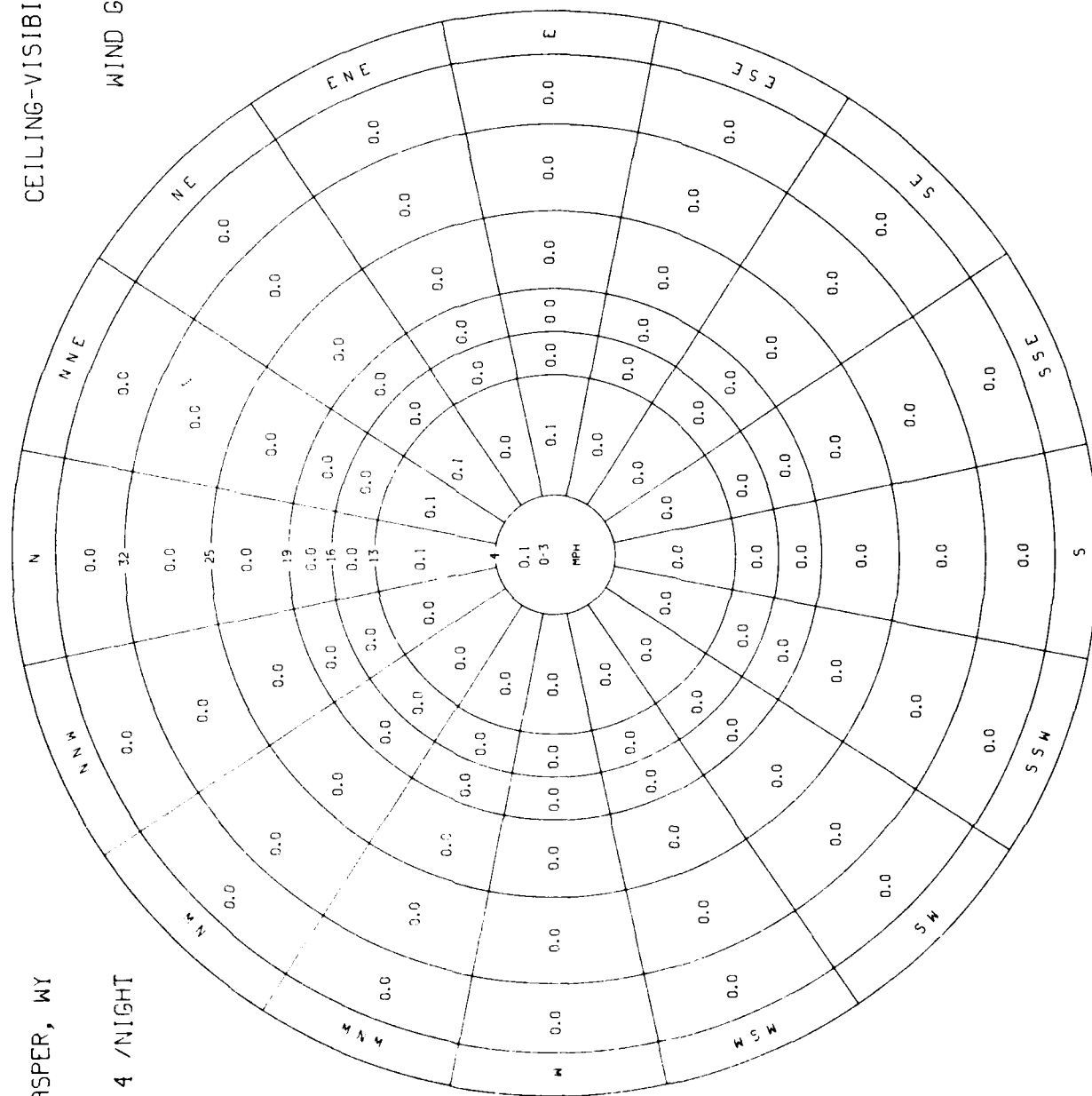
NO. OBS.: 412

STATION NUMBER: 24089

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.0	.1	5.8	.0	2.4	.0	1.0	.0	2.9	.0	1.5	.0	.0	.1 13.6
NNE	.0	.0	.1	7.8	.1	6.3	.0	3.9	.0	4.6	.0	1.7	.0	.2	.2 24.5
NE	.0	.2	.1	8.7	.0	3.2	.0	2.7	.0	1.2	.0	.5	.0	.0	.1 16.5
ENE	.0	.2	.0	5.3	.0	1.2	.0	1.7	.0	1.0	.0	.0	.0	.0	.1 9.5
E	.0	1.2	.0	3.4	.0	1.5	.0	.2	.0	1.0	.0	.7	.0	.0	.1 8.0
ESE	.0	.0	.0	2.2	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.7
SE	.0	.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.5
SSE	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .2
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .0
SSW	.0	.0	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.2	.0 .7
SW	.0	.2	.0	.5	.0	.2	.0	.0	.0	.2	.0	.0	.0	.0	.0 1.2
WSW	.0	.7	.0	1.2	.0	.0	.0	.5	.0	.0	.0	.2	.0	.2	.0 2.9
W	.0	.7	.0	1.7	.0	.5	.0	.2	.0	.2	.0	.5	.0	.0	.0 3.9
WNW	.0	.0	.0	1.9	.0	.2	.0	.0	.0	.2	.0	.2	.0	.0	.0 2.7
NW	.0	.0	.0	1.0	.0	.5	.0	.2	.0	.0	.0	.0	.0	.2	.0 1.9
NNW	.0	.2	.0	3.6	.0	1.5	.0	.5	.0	.5	.0	.0	.0	.0	.1 6.3
CALM	.0	3.9													.0 3.9
TOTAL	.1	7.5	.4	45.1	.2	18.2	.1	10.9	.1	11.9	.0	5.3	.0	1.0	.9 100

CPR CASPER, WY

CLASS 4 / NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CPR CASPER, WY

PERIOD: 1951-1978

CLASS 4 / NIGHT

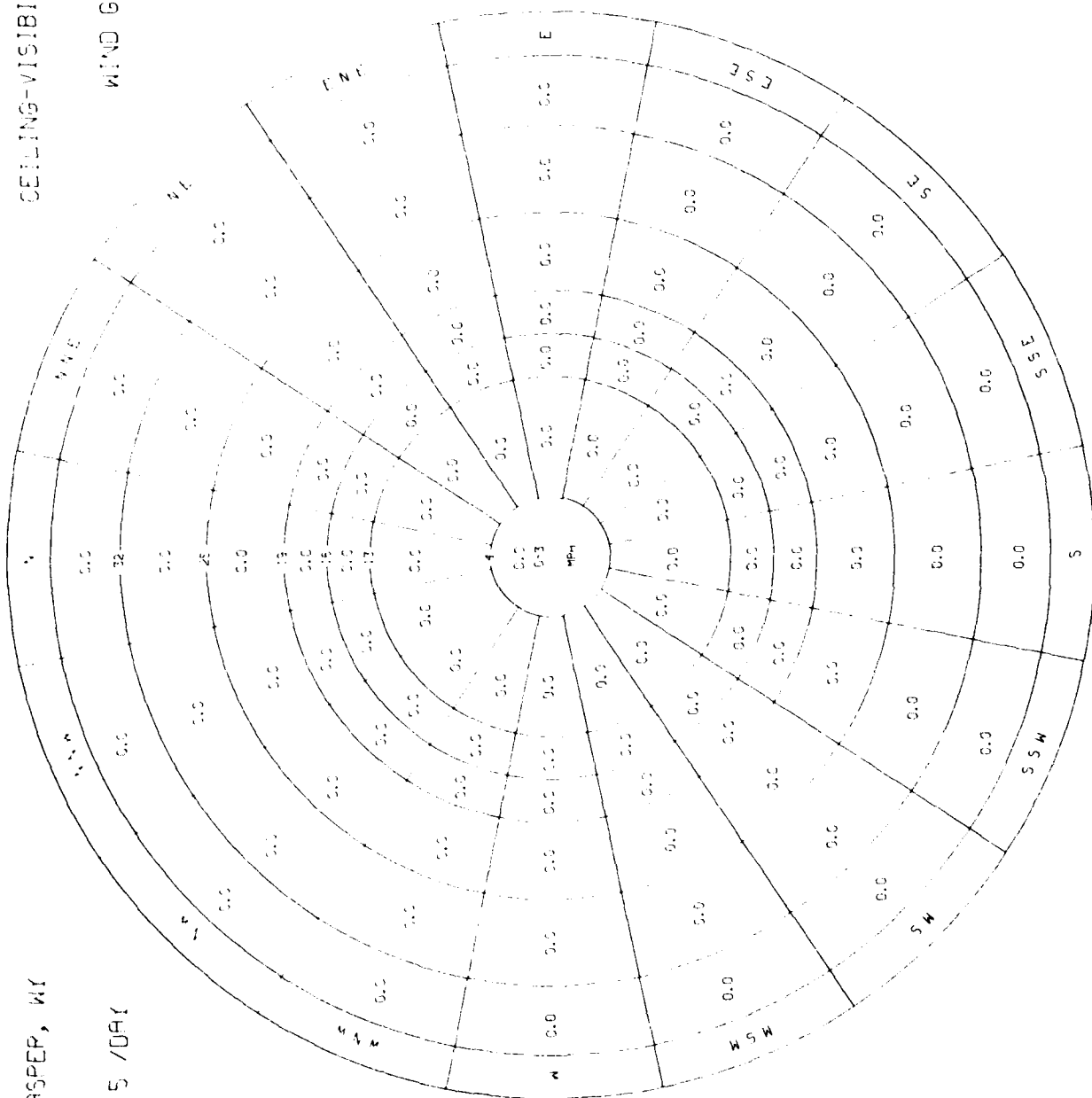
STATION NUMBER: 24089

NO. OBS.: 329

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C
N	.0	.0	.1	6.4	.0	2.1	.0	2.1	.0	2.1	.0	1.5	.0	.0	.1	14.3	15.1
NNE	.0	.0	.1	7.6	.0	4.6	.0	3.6	.0	2.1	.0	1.2	.0	.3	.2	19.5	14.5
NE	.0	.3	.1	7.3	.0	3.3	.0	1.2	.0	.6	.0	.0	.0	.0	.1	12.8	11.3
ENE	.0	.9	.0	5.2	.0	2.1	.0	1.2	.0	.3	.0	.0	.0	.3	.1	10.0	11.5
E	.0	.3	.1	7.0	.0	1.2	.0	1.2	.0	.0	.0	.0	.0	.0	.1	9.7	9.0
ESE	.0	.3	.0	4.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.9	7.8
SE	.0	.0	.0	.9	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	7.7
SSE	.0	.3	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	4.7
S	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	2.5
SSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.3	22.0
SW	.0	.3	.0	.9	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	7.8
WSW	.0	.3	.0	3.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	7.4
W	.0	.3	.0	1.2	.0	.6	.0	.0	.0	.3	.0	.0	.0	.0	.0	2.4	10.4
WNW	.0	.3	.0	2.7	.0	.6	.0	.3	.0	.0	.0	.0	.0	.0	.0	4.0	9.0
NW	.0	.6	.0	.9	.0	.0	.0	.0	.0	.3	.0	.3	.0	.0	.0	2.1	11.7
NNW	.0	.6	.0	4.3	.0	.3	.0	.6	.0	.0	.0	.0	.0	.3	.1	6.1	9.7
CALM	.1	6.1													.1	6.1	
TOTAL	.1	11.2	.5	52.6	.1	15.8	.1	10.3	.1	6.1	.0	3.0	.0	.9	.9	100	10.9

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1951-1978

STATION NAME: CFA CASPER, WY

CLASS 5 / DAY

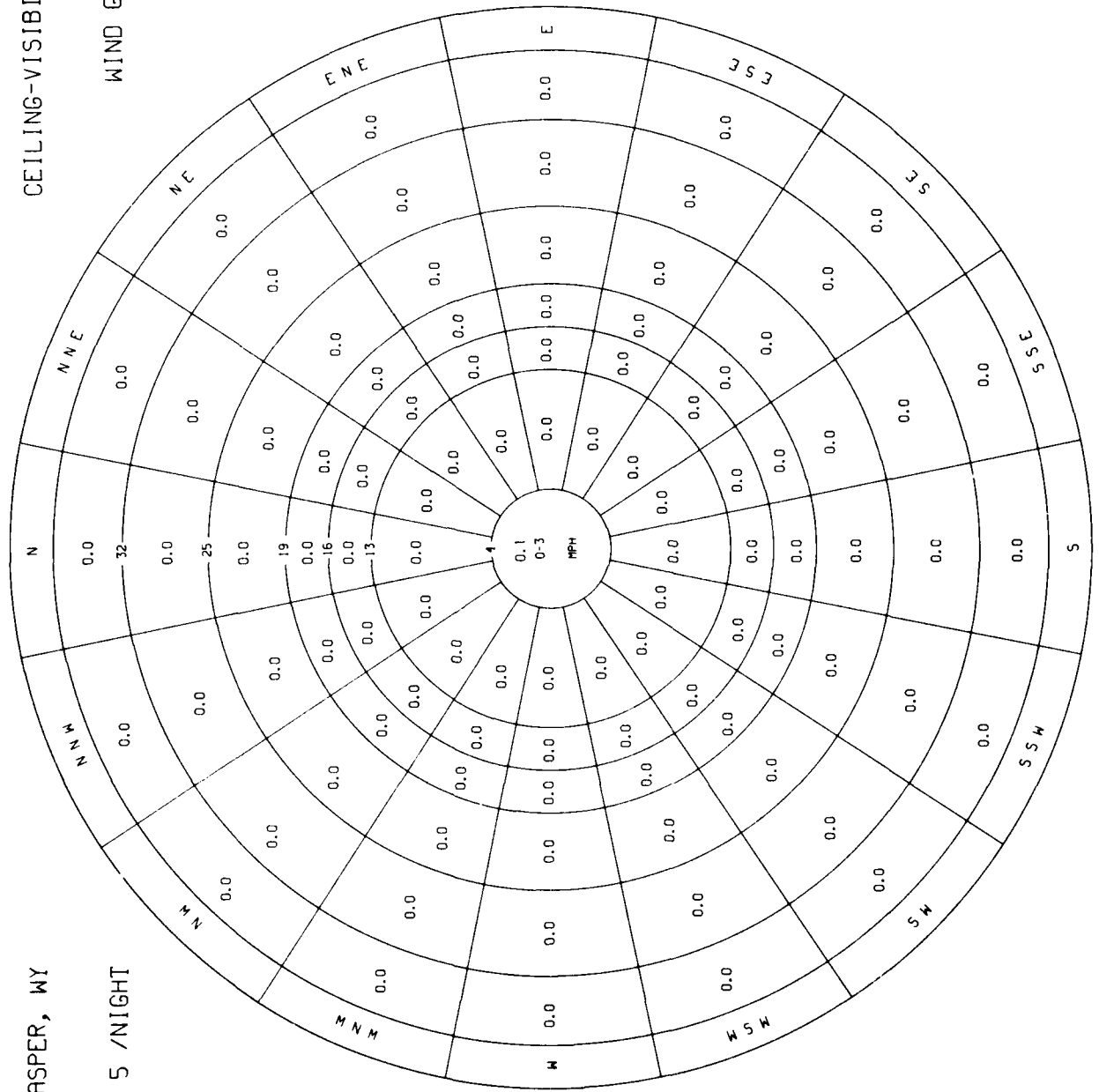
NO. OBS.: 94

STATION NUMBER: 24089

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.0	.0	.0	3.2	.0	.0	.0	2.1	.0	2.1	.0	1.1	.0	.0	.0	8.5	16.9
NNE	.0	.0	.0	4.3	.0	3.2	.0	3.2	.0	3.2	.0	4.3	.0	3.2	.0	21.3	20.5
NE	.0	1.1	.0	3.2	.0	1.1	.0	.0	.0	3.2	.0	.0	.0	.0	.0	8.5	14.6
ENE	.0	.0	.0	1.1	.0	1.1	.0	.0	.0	3.2	.0	.0	.0	.0	.0	5.3	17.2
E	.0	.0	.0	4.3	.0	1.1	.0	.0	.0	.0	.0	1.1	.0	.0	.0	6.4	10.7
ESE	.0	2.1	.0	5.3	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	8.5	6.8
SE	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	5.5
SSE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	7.5
SSW	.0	.0	.0	.0	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	1.1	17.0
SW	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	7.0
WSW	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	12.0
W	.0	.0	.0	3.2	.0	.0	.0	1.1	.0	2.1	.0	.0	.0	.0	.0	6.4	15.0
WNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0	1.1	.0	2.1	31.5
NW	.0	2.1	.0	4.3	.0	2.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	9.6	9.4
NNW	.0	.0	.0	1.1	.0	3.2	.0	.0	.0	3.2	.0	.0	.0	.0	.0	7.4	17.2
CALM	.0	8.5													.0	8.5	
TOTAL	.0	13.8	.1	36.2	.0	11.7	.0	9.6	.0	17.0	.0	7.4	.0	4.3	.2	100	13.7

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CPR CASPER, WY

PERIOD: 1951-1978

CLASS 5 / NIGHT

STATION NUMBER: 24089

NO. OBS.: 80

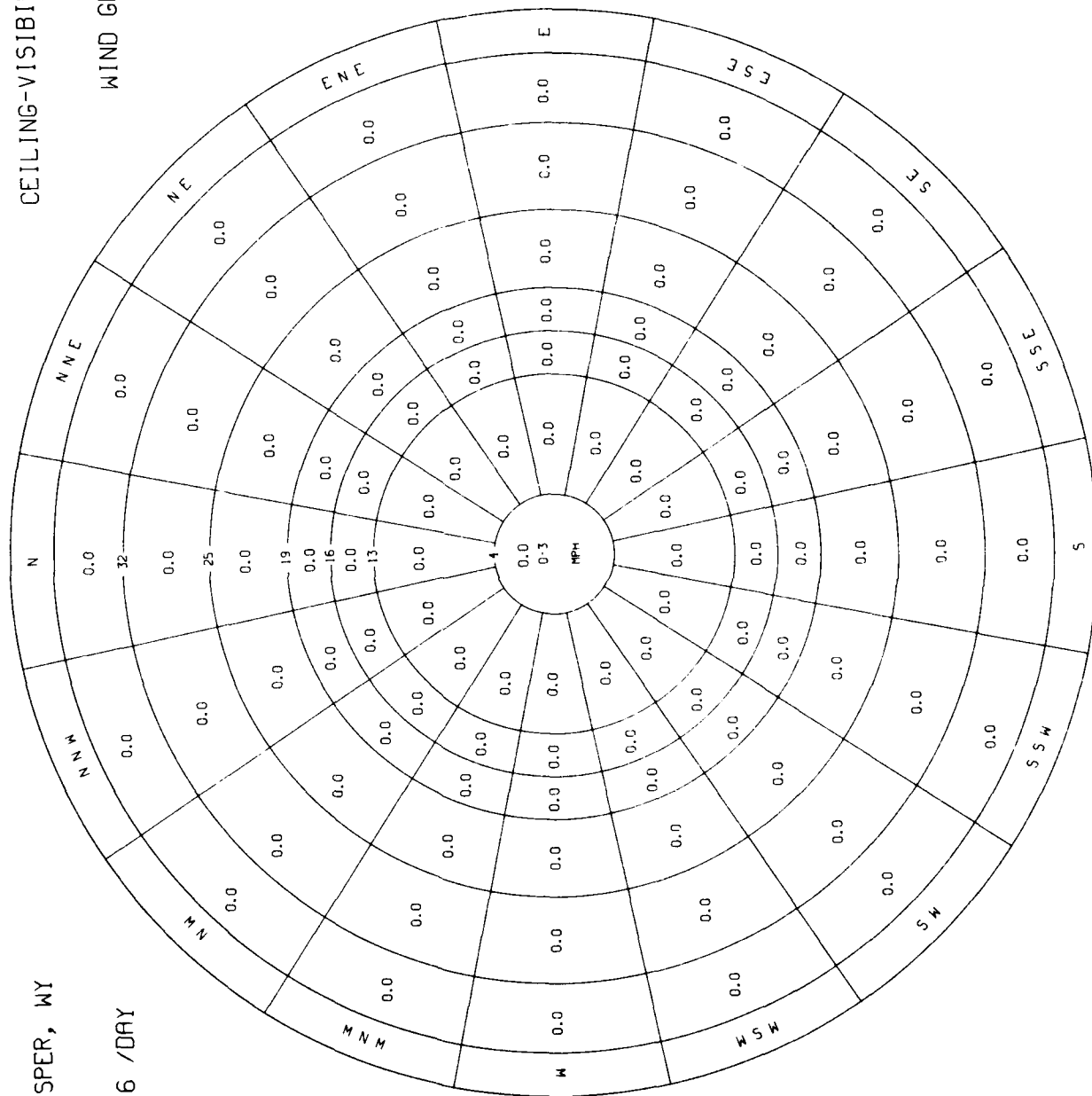
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D
N	.0	.0	.0	3.7	.0	1.2	.0	.0	.0	3.7	.0	1.2	.0	2.5	.0	12.5	20.8
NNE	.0	1.2	.0	5.0	.0	2.5	.0	2.5	.0	2.5	.0	.0	.0	1.2	.0	15.0	14.5
NE	.0	.0	.0	6.3	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.5	8.8
ENE	.0	1.2	.0	2.5	.0	.0	.0	.0	.0	2.5	.0	.0	.0	.0	.0	6.3	12.4
E	.0	.0	.0	1.2	.0	1.2	.0	1.2	.0	.0	.0	.0	.0	.0	.0	3.7	12.7
ESE	.0	.0	.0	3.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	6.3
SE	.0	2.5	.0	3.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.3	4.6
SSE	.0	1.2	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	4.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	3.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	10.3
WSW	.0	.0	.0	3.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	6.3
W	.0	2.5	.0	.0	.0	1.2	.0	.0	.0	.0	.0	1.2	.0	.0	.0	5.0	12.5
WNW	.0	.0	.0	3.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	7.7
NW	.0	1.2	.0	6.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.5	6.2
NNW	.0	2.5	.0	1.2	.0	1.2	.0	.0	.0	1.2	.0	1.2	.0	.0	.0	7.5	13.0
CALM	.0	10.0													.0	10.0	
TOTAL	.1	22.5	.1	47.5	.0	8.7	.0	3.7	.0	10.0	.0	3.7	.0	3.7	.0	2.100	10.4

CEILING-VISIBILITY

WIND GRAPH

CPR CASPER, WY

CLASS 6 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CPR CASPER, WY

PERIOD: 1951-1978

CLASS 6 / DAY

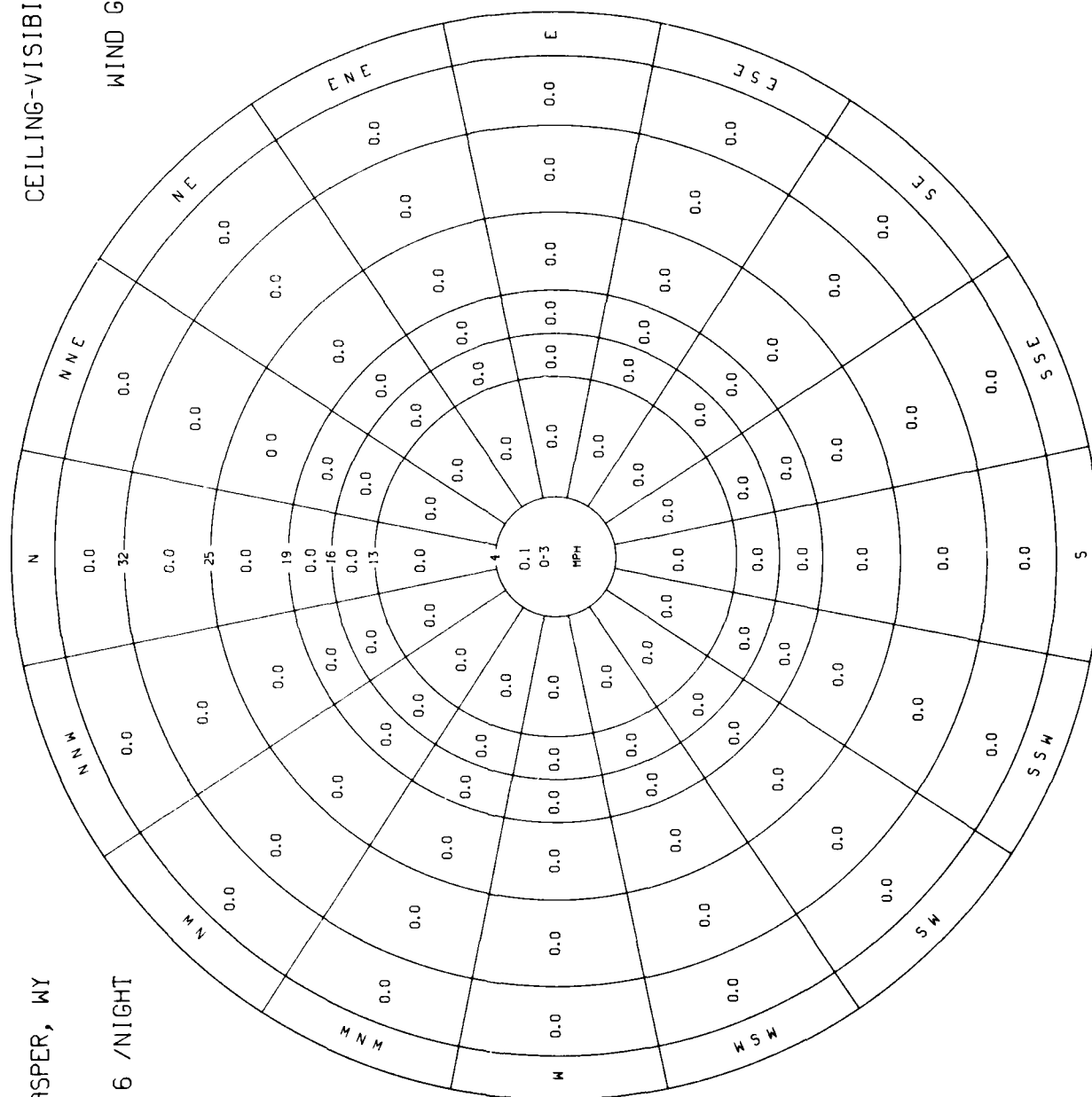
STATION NUMBER: 24089

NO. OBS.: 52

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D
N	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9
NNE	.0	.0	.0	5.8	.0	.0	.0	.0	.0	.0	.0	1.9	.0	3.8	.0	11.5
NE	.0	1.9	.0	.0	.0	.0	.0	.0	.0	1.9	.0	.0	.0	.0	.0	3.8
ENE	.0	3.8	.0	5.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.6
E	.0	.0	.0	5.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.8
ESE	.0	.0	.0	11.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.5
SE	.0	1.9	.0	7.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.6
SSE	.0	.0	.0	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8
S	.0	1.9	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8
SSW	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
WSW	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	.0	1.9	.0	.0	.0	3.8
WNW	.0	.0	.0	.0	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	1.9
NW	.0	.0	.0	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8
NNW	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9
CALM	.0	23.1													.0	23.1
TOTAL	.0	34.6	.1	51.9	.0	.0	.0	1.9	.0	3.8	.0	3.8	.0	3.8	.1	100
																7.4

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CPR CASPER, WY

PERIOD: 1951-1978

CLASS 6 / NIGHT

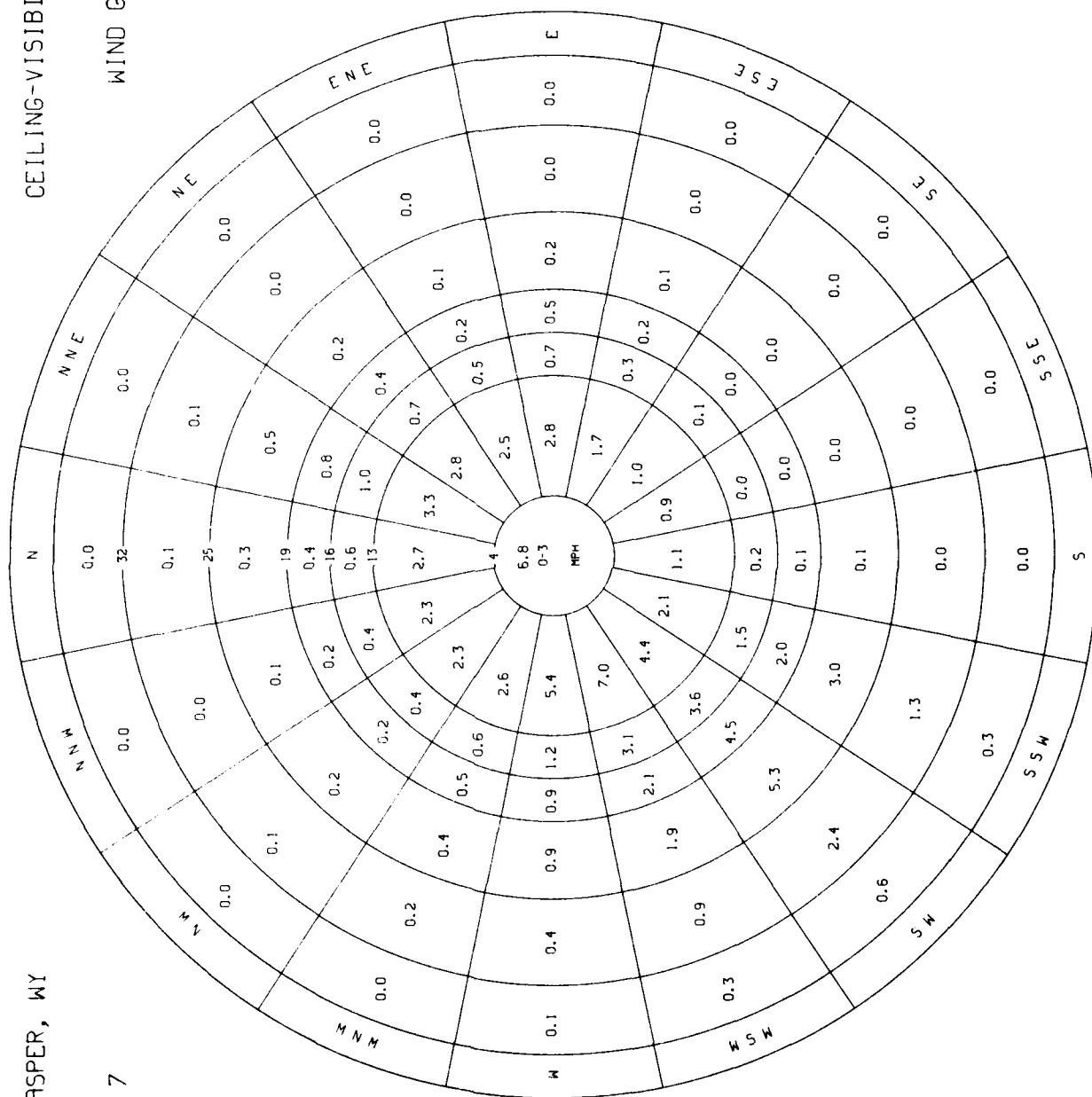
STATION NUMBER: 24089

NO. OBS.: 47

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D
N	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	3.0
NNE	.0	2.1	.0	2.1	.0	.0	.0	.0	.0	2.1	.0	2.1	.0	.0	.0	8.5	15.5
NE	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	2.1	.0	2.1	.0	6.4	28.0
ENE	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	5.0
E	.0	2.1	.0	19.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	21.3	6.7
ESE	.0	4.3	.0	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.5	5.2
SE	.0	4.3	.0	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.5	4.2
SSE	.0	2.1	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	5.5
S	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	3.0
SSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
WSW	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	3.0
W	.0	.0	.0	6.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.4	8.7
WNW	.0	.0	.0	6.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.4	6.7
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NNW	.0	.0	.0	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	7.0
CALM	.0	17.0												.0	17.0		
TOTAL	.1	38.3	.1	53.2	.0	.0	.0	.0	.0	2.1	.0	4.3	.0	2.1	.1	100	7.2

CEILING-VISIBILITY

WIND GRAPH

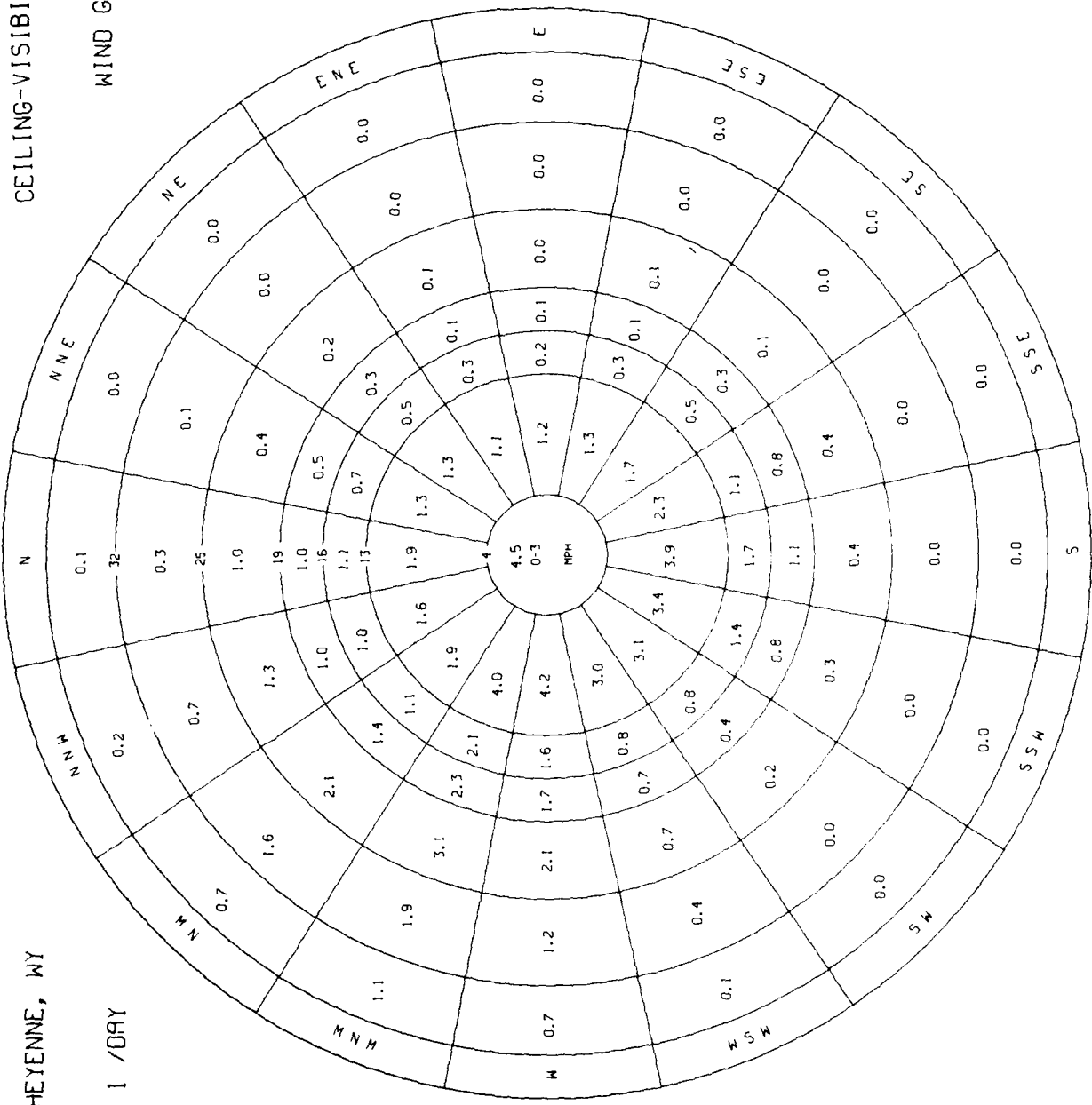


CPR CASPER, WY

CLASS 7

CEILING-VISIBILITY

WIND GRAPH



CYS CHEYENNE, WY

CLASS 1 /DAY

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CYS CHEYENNE, WY

PERIOD: 1948-1978

CLASS 1 / DAY

STATION NUMBER: 24018

NO. OBS.: 47498

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C
N	.2	.2	1.9	2.1	1.1	1.2	1.0	1.1	1.0	1.1	.3	.4	.1	.1	5.6	6.1	15.0
NNE	.1	.1	1.3	1.4	.7	.7	.5	.6	.4	.5	.1	.1	.0	.0	3.1	3.4	13.5
NE	.1	.2	1.3	1.4	.5	.5	.3	.3	.2	.2	.0	.0	.0	.0	2.4	2.6	11.5
ENE	.2	.2	1.1	1.2	.3	.3	.1	.1	.1	.1	.0	.0	.0	.0	1.8	2.0	10.0
E	.2	.2	1.2	1.3	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	1.8	2.0	9.5
ESE	.2	.2	1.3	1.4	.3	.4	.1	.2	.1	.1	.0	.0	.0	.0	2.1	2.3	10.2
SE	.2	.2	1.7	1.8	.5	.6	.3	.3	.1	.2	.0	.0	.0	.0	2.9	3.1	10.7
SSE	.2	.2	2.3	2.5	1.1	1.2	.8	.9	.4	.4	.0	.0	.0	.0	4.8	5.3	12.3
S	.3	.3	3.9	4.2	1.7	1.9	1.1	1.2	.4	.4	.0	.0	.0	.0	7.3	8.0	11.7
SSW	.3	.3	3.4	3.7	1.4	1.5	.8	.9	.3	.3	.0	.0	.0	.0	6.2	6.7	11.3
SW	.4	.4	3.1	3.4	.8	.9	.4	.5	.2	.2	.0	.0	.0	.0	5.0	5.4	10.2
WSW	.4	.4	3.0	3.3	.8	.9	.7	.8	.7	.8	.4	.4	.1	.1	6.1	6.7	12.9
W	.4	.4	4.2	4.6	1.6	1.7	1.7	1.9	2.1	2.3	1.2	1.3	.7	.8	11.9	13.0	16.1
WNW	.3	.3	4.0	4.4	2.1	2.3	2.3	2.5	3.1	3.4	1.9	2.1	1.1	1.2	14.7	16.1	17.9
NW	.2	.2	1.9	2.1	1.1	1.2	1.4	1.5	2.1	2.3	1.6	1.7	.7	.8	9.1	10.0	19.2
NNW	.1	.1	1.6	1.7	1.0	1.1	1.0	1.1	1.3	1.5	.7	.7	.2	.2	5.9	6.5	16.9
CALM	.8	.9													.8	.9	
TOTAL	4.5	4.9	37.1	40.6	15.3	16.7	12.8	14.0	12.6	13.7	6.3	6.9	2.9	3.2	91.5	100	14.3

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: CYS CHEYENNE, WY

CLASS 1 / NIGHT

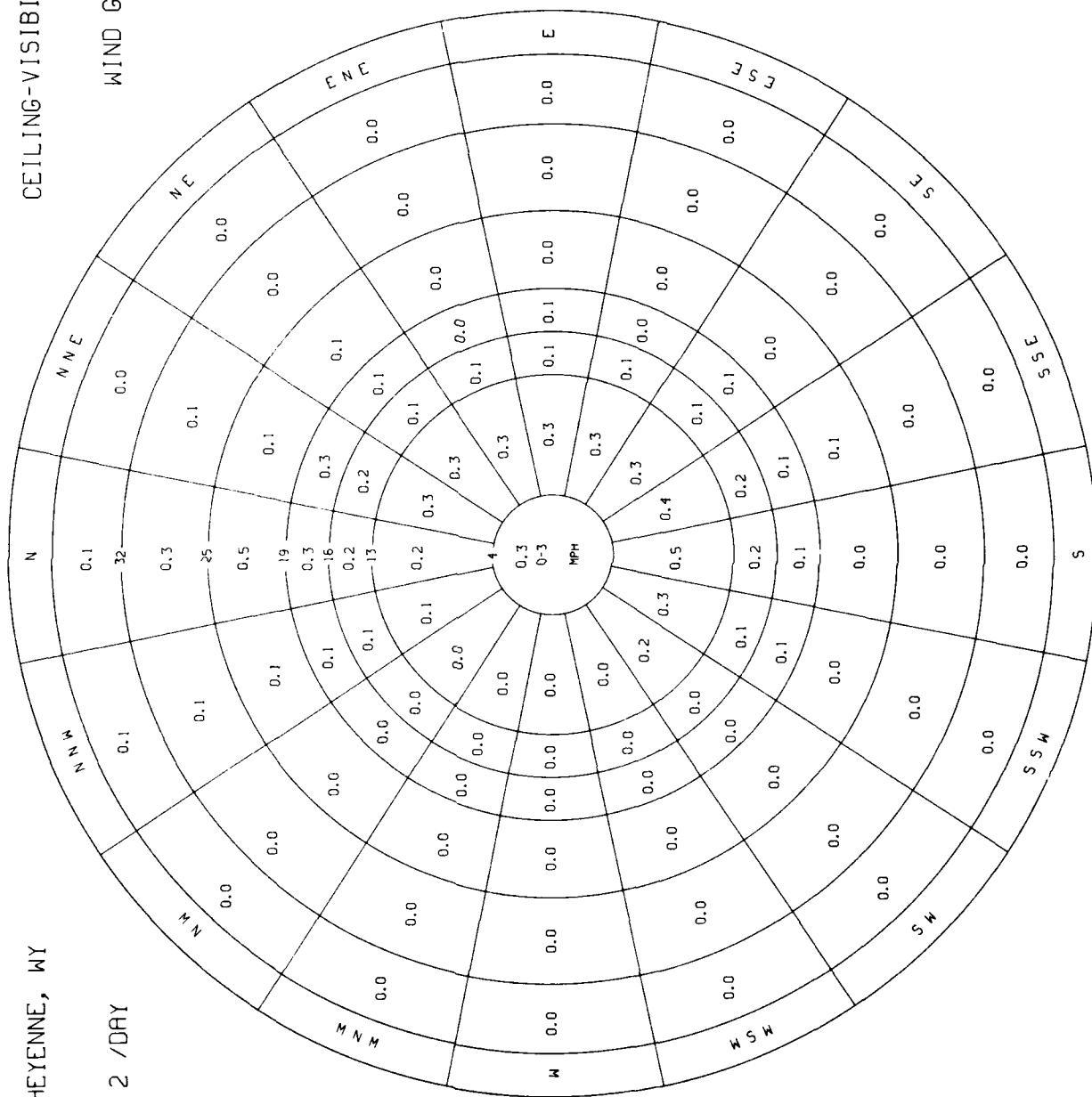
NO. OBS.: 34545

STATION NUMBER: 24018

D I R	SPEED GROUPS (MPH)																				AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL						
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D					
N	.2	.2	1.8	2.0	.8	.9	.7	.8	.6	.7	.2	.2	.0	.0	4.3	4.8	13.8				
NNE	.1	.1	.8	.9	.2	.2	.1	.2	.1	.1	.0	.0	.0	.0	1.4	1.6	10.9				
NE	.2	.2	.6	.7	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.1	8.6				
ENE	.1	.1	.5	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.8	7.6				
E	.2	.2	.6	.7	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.9	1.0	7.6				
ESE	.2	.2	.7	.7	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.1	8.3				
SE	.2	.2	1.1	1.3	.2	.2	.1	.1	.1	.1	.0	.0	.0	.0	1.7	1.9	9.4				
SSE	.2	.2	1.4	1.5	.4	.5	.3	.3	.1	.1	.0	.0	.0	.0	2.4	2.7	10.5				
S	.3	.4	2.6	2.9	.5	.6	.2	.2	.0	.1	.0	.0	.0	.0	3.7	4.1	9.3				
SSW	.4	.5	3.2	3.6	.5	.6	.1	.2	.0	.0	.0	.0	.0	.0	4.3	4.8	8.7				
SW	.6	.7	5.4	6.1	.7	.8	.2	.2	.1	.1	.0	.0	.0	.0	7.0	7.9	8.6				
WSW	.8	.9	6.6	7.4	1.1	1.2	.6	.7	.4	.5	.2	.2	.1	.1	9.8	10.9	9.9				
W	.8	.9	10.8	12.1	2.4	2.7	1.5	1.7	1.4	1.5	.8	.8	.4	.5	18.0	20.2	12.1				
WNW	.5	.5	8.6	9.6	3.4	3.8	2.3	2.6	2.5	2.8	1.5	1.6	.6	.7	19.3	21.6	14.5				
NW	.2	.3	2.8	3.1	1.3	1.5	1.2	1.4	1.4	1.6	.7	.8	.2	.3	7.9	8.9	15.4				
NNW	.2	.2	1.9	2.1	.9	1.0	.8	.9	.7	.7	.3	.3	.1	.1	4.8	5.4	14.1				
CALM	1.2	1.3													1.2	1.3					
TOTAL	6.3	7.0	49.4	55.3	12.7	14.2	8.3	9.3	7.6	8.5	3.7	4.1	1.4	1.5	89.4	100	11.9				

CEILING-VISIBILITY

WIND GRAPH



CYS CHEYENNE, WY

CLASS 2 /DAY

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CYS CHEYENNE, WY

PERIOD: 1948-1978

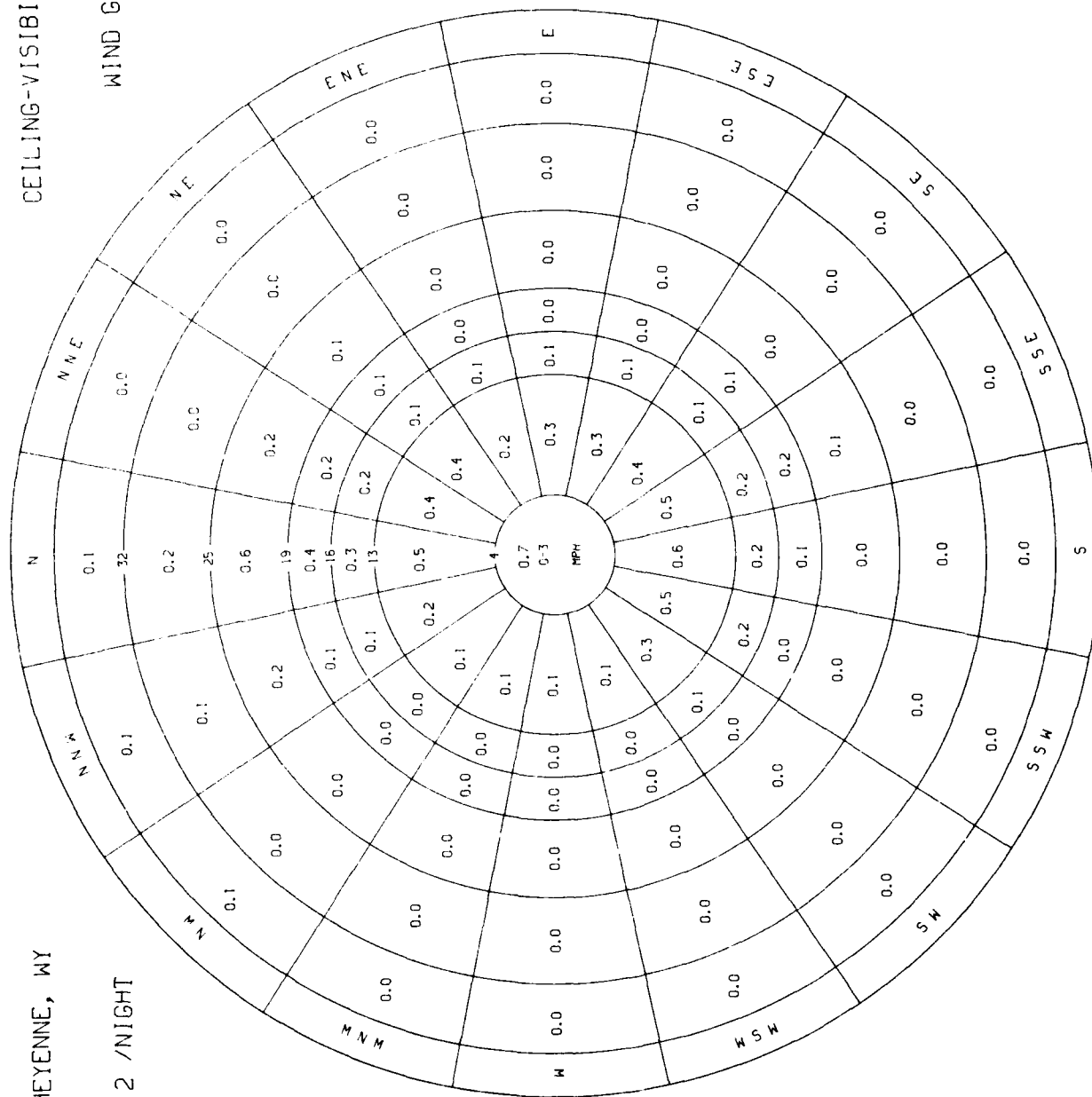
CLASS 2 / DAY

STATION NUMBER: 24018

NO. OBS.: 4419

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.3	.2	2.7	.2	2.7	.3	3.5	.5	5.9	.3	3.3	.1	1.3	1.7 19.7
NNE	.0	.1	.3	3.4	.2	2.5	.3	3.0	.1	1.7	.1	.6	.0	.1	1.0 11.4
N	.0	.2	.3	3.4	.1	1.2	.1	1.0	.1	.8	.0	.1	.0	.0	.6 6.7
ENE	.0	.2	.3	3.0	.1	1.0	.0	.3	.0	.2	.0	.0	.0	.0	.4 4.7
E	.0	.2	.3	3.3	.1	1.0	.1	.6	.0	.2	.0	.1	.0	.0	.5 5.4
ESE	.0	.2	.3	3.6	.1	1.3	.0	.4	.0	.2	.0	.0	.0	.0	.5 5.6
SE	.0	.2	.3	3.7	.1	1.5	.1	1.2	.0	.4	.0	.1	.0	.0	.6 7.1
SSE	.0	.3	.4	4.3	.2	2.3	.1	1.6	.1	.7	.0	.0	.0	.0	.8 9.3
S	.0	.4	.5	6.2	.2	2.7	.1	1.1	.0	.6	.0	.0	.0	.0	.9 10.9
SSW	.0	.2	.3	3.3	.1	1.0	.1	.6	.0	.1	.0	.0	.0	.0	.4 5.3
SW	.0	.2	.2	1.9	.0	.5	.0	.2	.0	.0	.0	.0	.0	.0	.2 2.9
WSW	.0	.2	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 .7
W	.0	.1	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1 1.0
WNW	.0	.1	.0	.5	.0	.0	.0	.1	.0	.1	.0	.1	.0	.1	.1 1.0
NW	.0	.1	.0	.5	.0	.1	.0	.1	.0	.3	.0	.3	.0	.5	.2 1.8
NNW	.0	.1	.1	1.1	.1	.6	.1	.8	.1	1.2	.1	1.2	.1	1.2	.5 6.2
CALM	.1	.6													.1 .6
TOTAL	.3	3.7	3.5	41.6	1.6	18.6	1.2	14.4	1.0	12.3	.5	6.0	.3	3.4	8.5 100
															14.4

CYS CHEYENNE, WY
 CLASS 2 /NIGHT
 CEILING-VISIBILITY
 WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CYS CHEYENNE, WY

PERIOD: 1948-1978

CLASS 2 / NIGHT

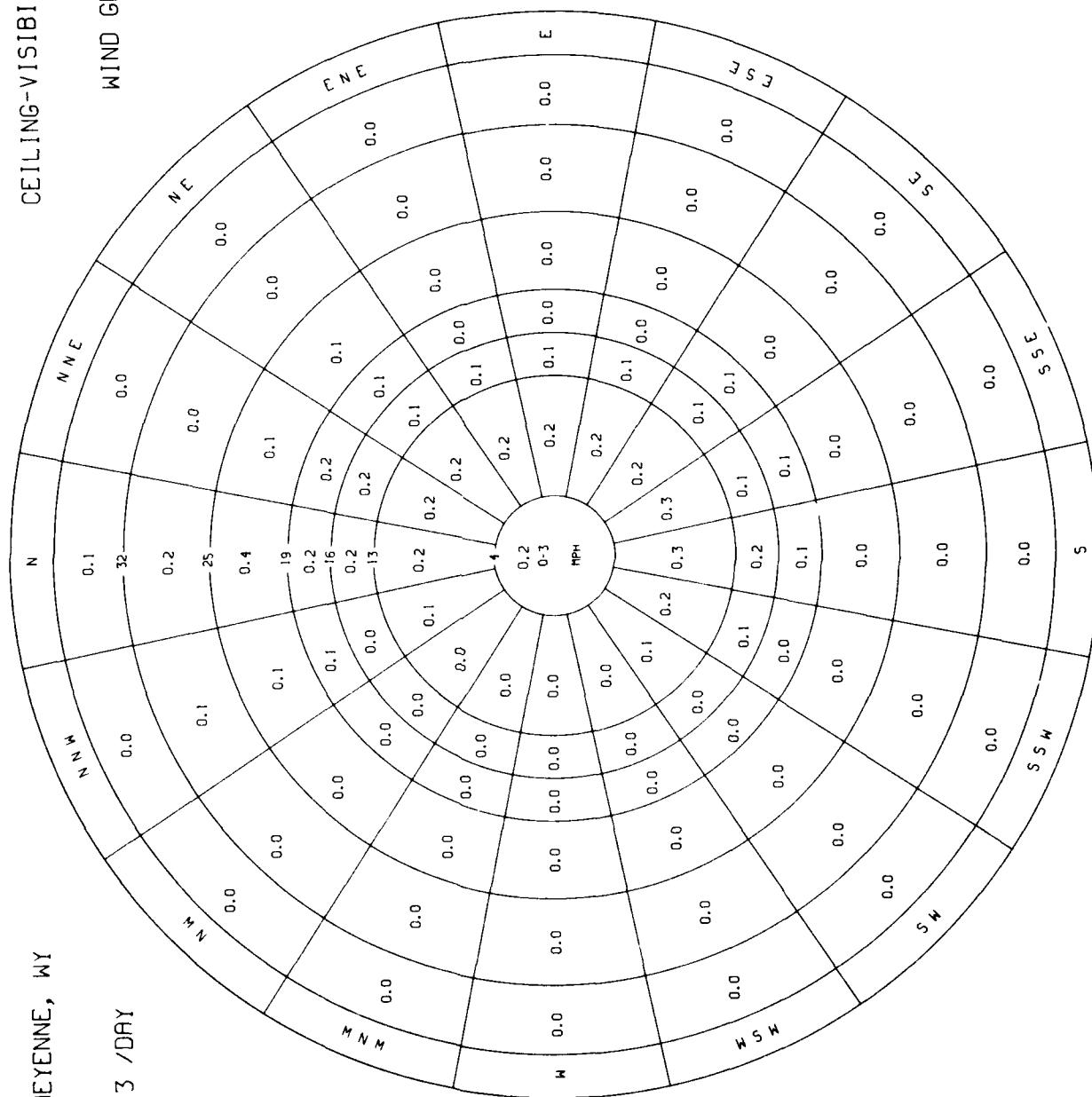
STATION NUMBER: 24018

NO. OBS.: 4106

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.3	.5	4.7	.3	2.5	.4	3.6	.6	5.2	.2	2.2	.1	1.1	2.1 19.6
NNE	.0	.3	.4	4.0	.2	1.8	.2	1.9	.2	1.6	.0	.4	.0	.0	1.1 10.2
NNE	.0	.3	.4	3.4	.1	.8	.1	.7	.1	.5	.0	.2	.0	.0	.6 6.0
ENE	.0	.2	.2	2.3	.1	.5	.0	.1	.0	.1	.0	.0	.0	.0	.4 3.3
E	.0	.3	.3	3.1	.1	.6	.0	.2	.0	.1	.0	.0	.0	.0	.5 4.4
ESE	.0	.4	.3	3.2	.1	.8	.0	.4	.0	.1	.0	.0	.0	.0	.5 5.0
SE	.1	.6	.4	3.4	.1	1.2	.1	.7	.0	.5	.0	.0	.0	.0	.7 6.4
SSE	.0	.4	.5	5.0	.2	2.0	.2	1.4	.1	.5	.0	.0	.0	.0	1.0 9.4
S	.0	.3	.6	5.9	.2	2.2	.1	1.0	.0	.2	.0	.0	.0	.0	1.0 9.7
SSW	.0	.3	.5	4.5	.2	1.7	.0	.4	.0	.1	.0	.0	.0	.0	.8 7.1
SW	.0	.2	.3	2.8	.1	.5	.0	.1	.0	.0	.0	.0	.0	.0	.4 3.6
WSW	.0	.2	.1	1.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 1.3
W	.0	.1	.1	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 .9
WNW	.0	.2	.1	.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	.1 1.2
NW	.0	.2	.1	.7	.0	.3	.0	.2	.0	.4	.0	.3	.1	.5	.3 2.7
NNW	.0	.4	.2	1.8	.1	.7	.1	1.1	.2	1.8	.1	1.2	.1	.8	.8 7.8
CALM	.1	1.3													.1 1.3
TOTAL	.7	6.2	5.0	47.5	1.7	16.0	1.3	11.9	1.2	11.4	.5	4.5	.3	2.5	10.6 100

CYS CHEYENNE, WY

CLASS 3 / DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CYS CHEYENNE, WY

PERIOD: 1948-1978

CLASS 3 / DAY

STATION NUMBER: 24018

NO. OBS.: 3030

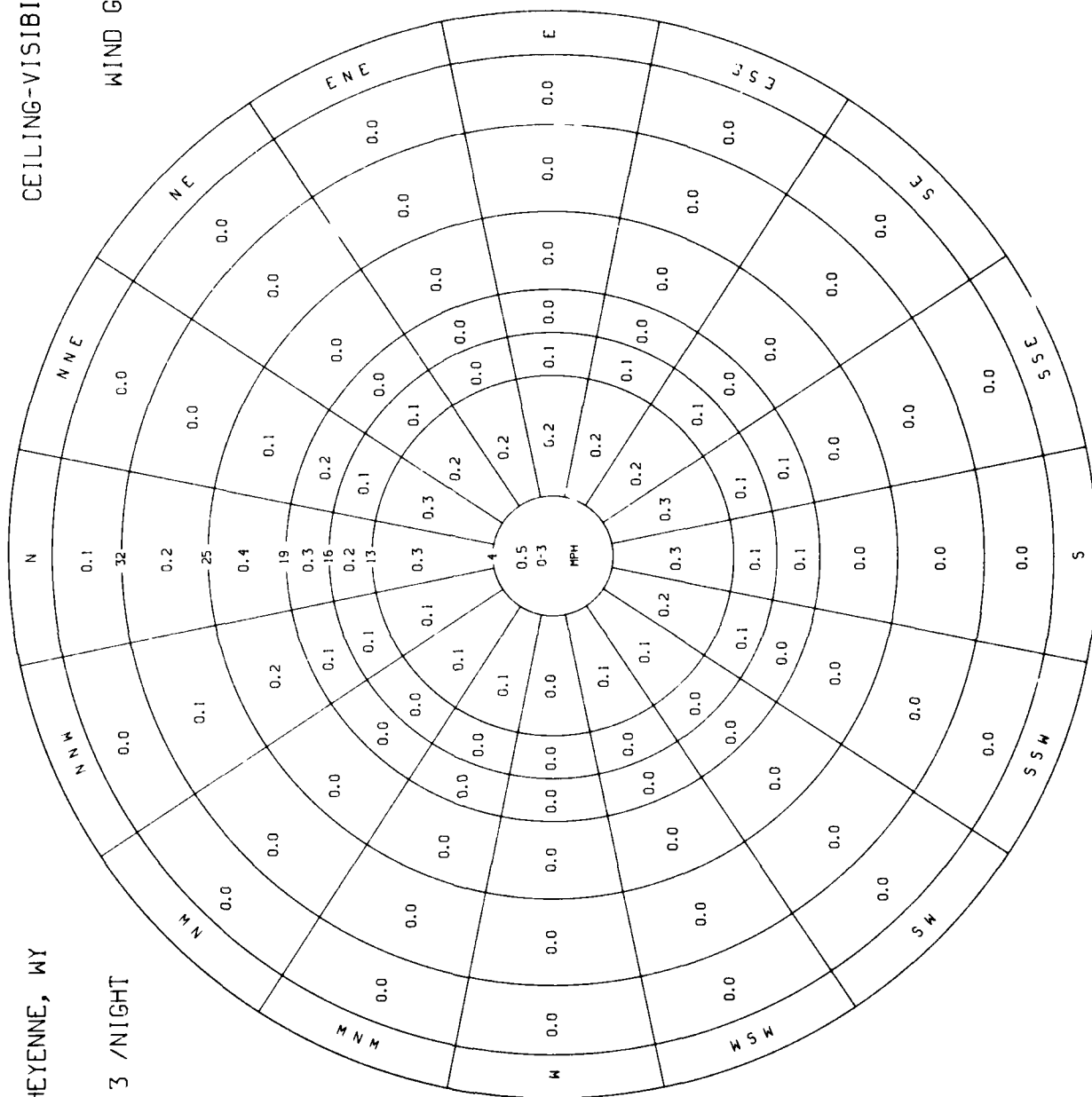
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			
N	.0	.3	.2	3.0	.2	2.8	.2	4.1	.4	6.7	.2	3.3	.1	1.0	1.2	21.1	19.2
NNE	.0	.1	.2	3.7	.2	2.8	.2	3.4	.1	1.9	.0	.6	.0	.0	.7	12.5	15.2
NE	.0	.2	.2	3.2	.1	1.4	.1	1.0	.1	.9	.0	.2	.0	.0	.4	6.9	13.0
ENE	.0	.3	.2	3.0	.1	1.1	.0	.4	.0	.2	.0	.0	.0	.0	.3	5.0	10.5
E	.0	.2	.2	3.3	.1	1.0	.0	.4	.0	.2	.0	.1	.0	.0	.3	5.1	10.6
ESE	.0	.1	.2	3.4	.1	1.2	.0	.4	.0	.1	.0	.0	.0	.0	.3	5.3	10.8
SE	.0	.2	.2	3.5	.1	1.0	.1	1.0	.0	.3	.0	.1	.0	.1	.4	6.1	12.1
SSE	.0	.2	.3	4.4	.1	2.2	.1	1.3	.0	.5	.0	.1	.0	.0	.5	8.6	12.3
S	.0	.2	.3	5.5	.2	2.8	.1	1.2	.0	.7	.0	.0	.0	.0	.6	10.5	11.9
SSW	.0	.2	.2	2.9	.1	1.1	.0	.7	.0	.1	.0	.0	.0	.0	.3	5.0	11.3
SW	.0	.3	.1	1.5	.0	.5	.0	.3	.0	.0	.0	.0	.0	.0	.2	2.6	10.0
WSW	.0	.1	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	8.2
W	.0	.1	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.8	13.4
WNW	.0	.0	.0	.5	.0	.1	.0	.1	.0	.1	.0	.1	.0	.2	.1	1.2	17.8
NW	.0	.1	.0	.4	.0	.1	.0	.0	.0	.4	.0	.3	.0	.2	.1	1.6	19.0
NNW	.0	.0	.1	1.3	.0	.8	.1	1.1	.1	1.5	.1	1.4	.0	.7	.4	6.7	20.0
CALM	.0	.5													.0	.5	
TOTAL	.2	3.0	2.4	40.7	1.1	19.0	.9	15.2	.8	13.7	.4	6.1	.1	2.3	5.8	100	14.4

CYS CHEYENNE, WY

CEILING-VISIBILITY

WIND GRAPH

CLASS 3 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CYS CHEYENNE, WY

PERIOD: 1948-1978

CLASS 3 / NIGHT

STATION NUMBER: 24018

NO. OBS.: 2529

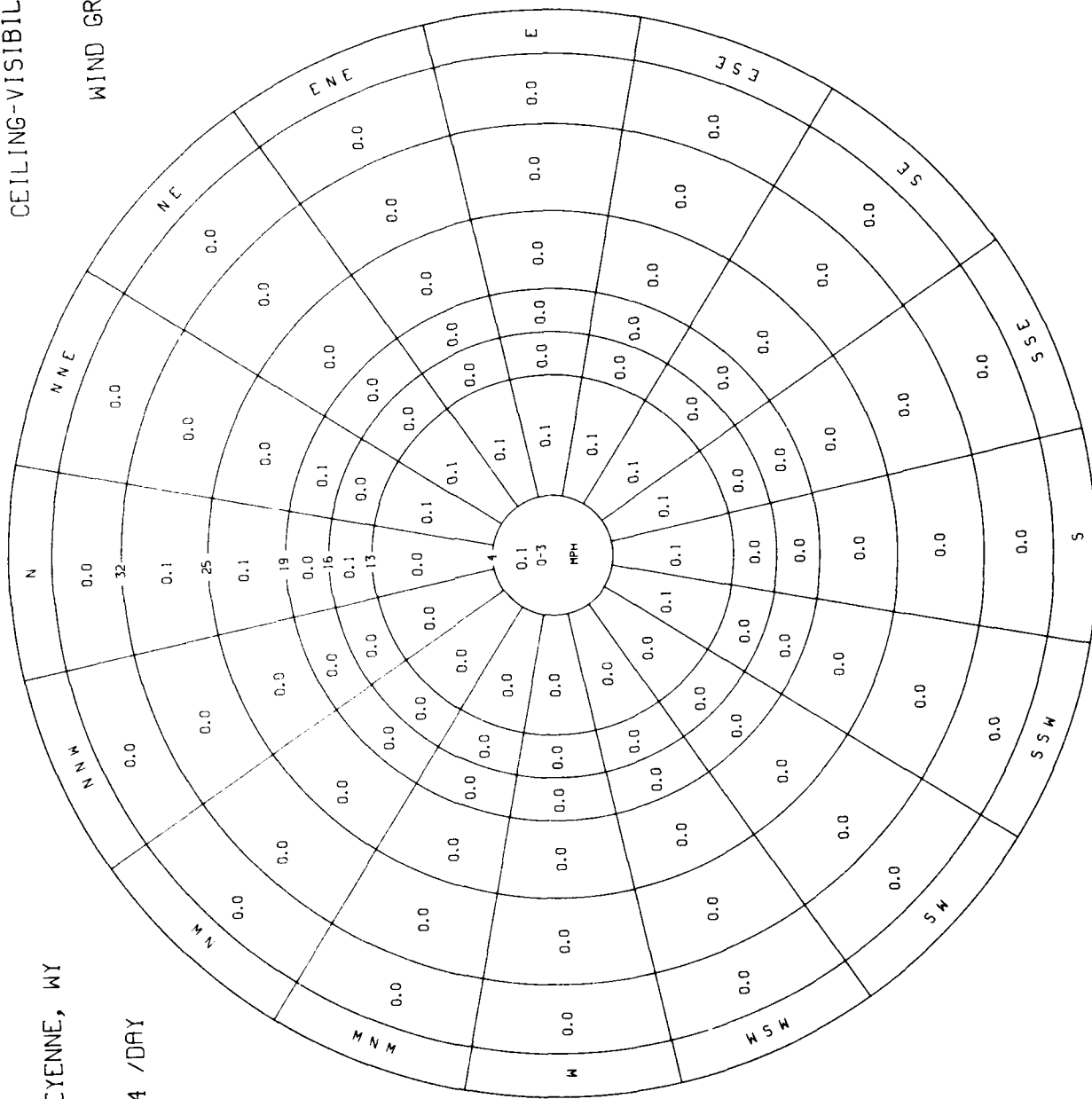
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C
N	.0	.4	.3	5.3	.2	2.8	.3	4.1	.4	6.6	.2	2.6	.1	.8	1.5	22.5	17.6
NNE	.0	.5	.3	4.6	.1	2.1	.2	2.4	.1	1.9	.0	.5	.0	.0	.8	11.9	13.9
NE	.0	.4	.2	3.6	.1	.9	.0	.8	.0	.6	.0	.3	.0	.0	.4	6.6	12.1
ENE	.0	.3	.2	2.4	.0	.4	.0	.0	.0	.2	.0	.0	.0	.0	.2	3.3	9.1
E	.0	.3	.2	3.2	.1	.8	.0	.1	.0	.0	.0	.0	.0	.0	.3	4.3	9.0
ESE	.0	.3	.2	2.9	.1	.8	.0	.4	.0	.1	.0	.0	.0	.0	.3	4.5	10.3
SE	.0	.7	.2	2.6	.1	.9	.0	.6	.0	.5	.0	.0	.0	.0	.3	5.3	10.7
SSE	.0	.4	.3	4.0	.1	1.7	.1	1.3	.0	.4	.0	.0	.0	.0	.5	7.7	11.5
S	.0	.2	.3	4.3	.1	1.5	.1	1.0	.0	.2	.0	.0	.0	.0	.5	7.2	11.1
SSW	.0	.4	.2	3.3	.1	1.5	.0	.3	.0	.0	.0	.0	.0	.0	.4	5.4	10.3
SW	.0	.3	.1	2.2	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.2	3.0	9.2
WSW	.0	.2	.1	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.2	8.0
W	.0	.2	.0	.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.0	8.1
WNW	.0	.2	.1	1.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	.1	1.5	9.2
NW	.0	.2	.1	.9	.0	.4	.0	.3	.0	.7	.0	.4	.0	.3	.2	3.1	17.3
NNW	.0	.5	.1	2.2	.1	1.1	.1	1.4	.2	2.4	.1	1.5	.0	.5	.6	9.6	17.8
CALM	.1	1.5													.1	1.5	
TOTAL	.5	6.9	2.9	44.2	1.0	15.5	.8	12.7	.9	13.7	.3	5.3	.1	1.7	6.5	100	13.3

CEILING-VISIBILITY

WIND GRAPH

CYS CHEYENNE, WY

CLASS 4 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CYS CHEYENNE, WY

PERIOD: 1948-1978

CLASS 4 / DAY

STATION NUMBER: 24018

NO. OBS.: 922

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.2	.0	2.2	.1	3.0	.0	2.5	.1	4.8	.1	3.6	.0	1.2	.3 17.5
NNE	.0	.2	.1	3.1	.0	2.0	.1	2.8	.0	1.6	.0	.7	.0	.2	.2 10.6
NE	.0	.4	.1	4.1	.0	.9	.0	1.1	.0	.5	.0	.0	.0	.1	.1 7.2
ENE	.0	.1	.1	3.3	.0	.8	.0	.3	.0	.4	.0	.0	.0	.0	.1 4.9
E	.0	.3	.1	4.7	.0	1.5	.0	.8	.0	.3	.0	.1	.0	.0	.1 7.7
ESE	.0	.4	.1	3.9	.0	1.5	.0	.3	.0	.1	.0	.0	.0	.0	.1 6.3
SE	.0	.5	.1	4.4	.0	2.6	.0	1.0	.0	.2	.0	.0	.0	.0	.2 8.9
SSE	.0	.5	.1	3.6	.0	2.5	.0	1.7	.0	.8	.0	.0	.0	.0	.2 9.8
S	.0	.7	.1	6.5	.0	1.6	.0	.7	.0	.3	.0	.0	.0	.0	.2 9.8
SSW	.0	.3	.1	3.5	.0	1.1	.0	.3	.0	.3	.0	.0	.0	.0	.1 5.5
SW	.0	.1	.0	2.3	.0	.8	.0	.1	.0	.0	.0	.0	.0	.0	.1 3.3
WSW	.0	.2	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0 .7
W	.0	.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .7
WNW	.0	.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .4
NW	.0	.0	.0	.4	.0	.1	.0	.2	.0	.1	.0	.3	.0	.5	.0 1.7
NNW	.0	.2	.0	.9	.0	.3	.0	.3	.0	1.0	.0	1.0	.0	1.2	.1 4.9
CALM	.0	1.0													.0 1.0
TOTAL	.1	5.6	.8	43.8	.3	18.8	.2	12.1	.2	10.5	.1	5.9	.1	3.3	1.8 100
															13.7

CLASS 4 /NIGHT

770

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: CYS CHEYENNE, WY

CLASS 4 / NIGHT

NO. OBS.: 991

STATION NUMBER: 24018

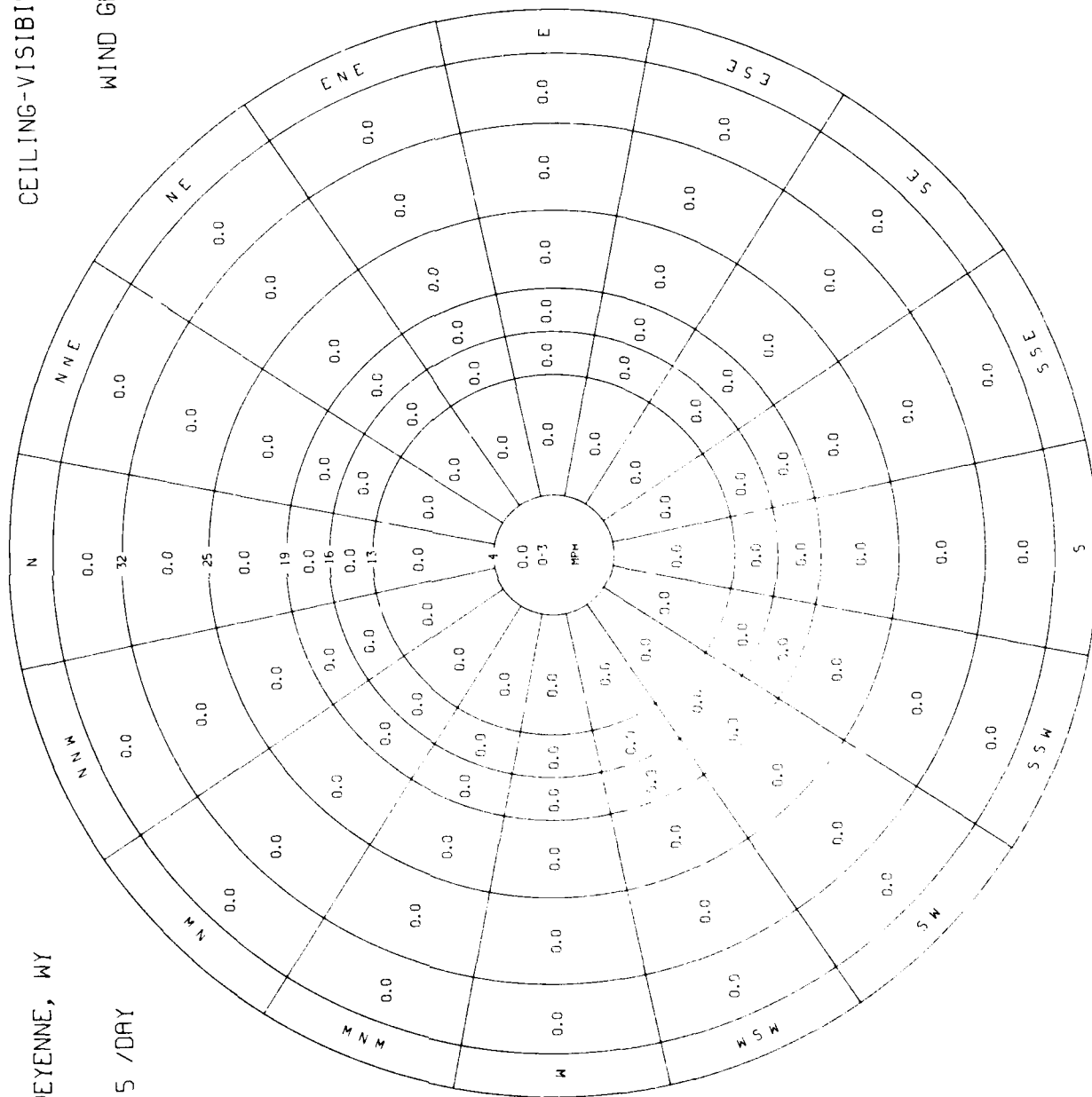
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
																C	D
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			
N	.0	.0	.1	4.6	.1	2.3	.1	2.9	.1	3.7	.0	1.9	.0	.9	.4	16.4	17.5
NNE	.0	.1	.1	3.2	.0	1.4	.0	1.6	.0	1.7	.0	.5	.0	.0	.2	8.6	15.0
NE	.0	.3	.1	3.7	.0	.6	.0	.7	.0	.5	.0	.1	.0	.0	.2	6.0	11.3
ENE	.0	.2	.1	2.4	.0	.7	.0	.3	.0	.1	.0	.0	.0	.0	.1	3.7	10.1
E	.0	.4	.1	2.9	.0	.4	.0	.2	.0	.3	.0	.0	.0	.0	.1	4.2	9.5
ESE	.0	.6	.1	4.0	.0	1.0	.0	.5	.0	.1	.0	.0	.0	.0	.2	6.3	9.4
SE	.0	.4	.1	4.8	.0	1.2	.0	1.0	.0	.5	.0	.0	.0	.0	.2	8.0	10.9
SSE	.0	.3	.2	6.7	.0	1.7	.0	1.4	.0	.7	.0	.0	.0	.0	.3	10.8	11.2
S	.0	.2	.2	8.0	.1	2.9	.0	.9	.0	.1	.0	.0	.0	.0	.3	12.1	10.7
SSW	.0	.3	.2	6.0	.0	1.2	.0	.6	.0	.5	.0	.0	.0	.0	.2	8.6	10.7
SW	.0	.1	.1	3.5	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.7	10.2
WSW	.0	.2	.0	1.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	7.9
W	.0	.2	.0	.4	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.7	7.6
WNW	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.7	9.6
NW	.0	.2	.0	.3	.0	.1	.0	.0	.0	.0	.0	.1	.0	.5	.0	1.2	22.2
NNW	.0	.4	.0	1.6	.0	.1	.0	.8	.0	1.0	.0	.9	.0	.7	.1	5.5	19.0
CALM	.0	.9													.0	.9	
TOTAL	.1	5.1	1.4	53.7	.4	15.0	.3	11.1	.2	9.3	.1	3.5	.1	2.2	2.6	100	12.5

CEILING-VISIBILITY

WIND GRAPH

CYS CHEYENNE, WY

CLASS 5 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CYS RUEYENNE, WY

PERIOD: 1948-1978

CLASS 5 / DAY

STATION NUMBER: 24018

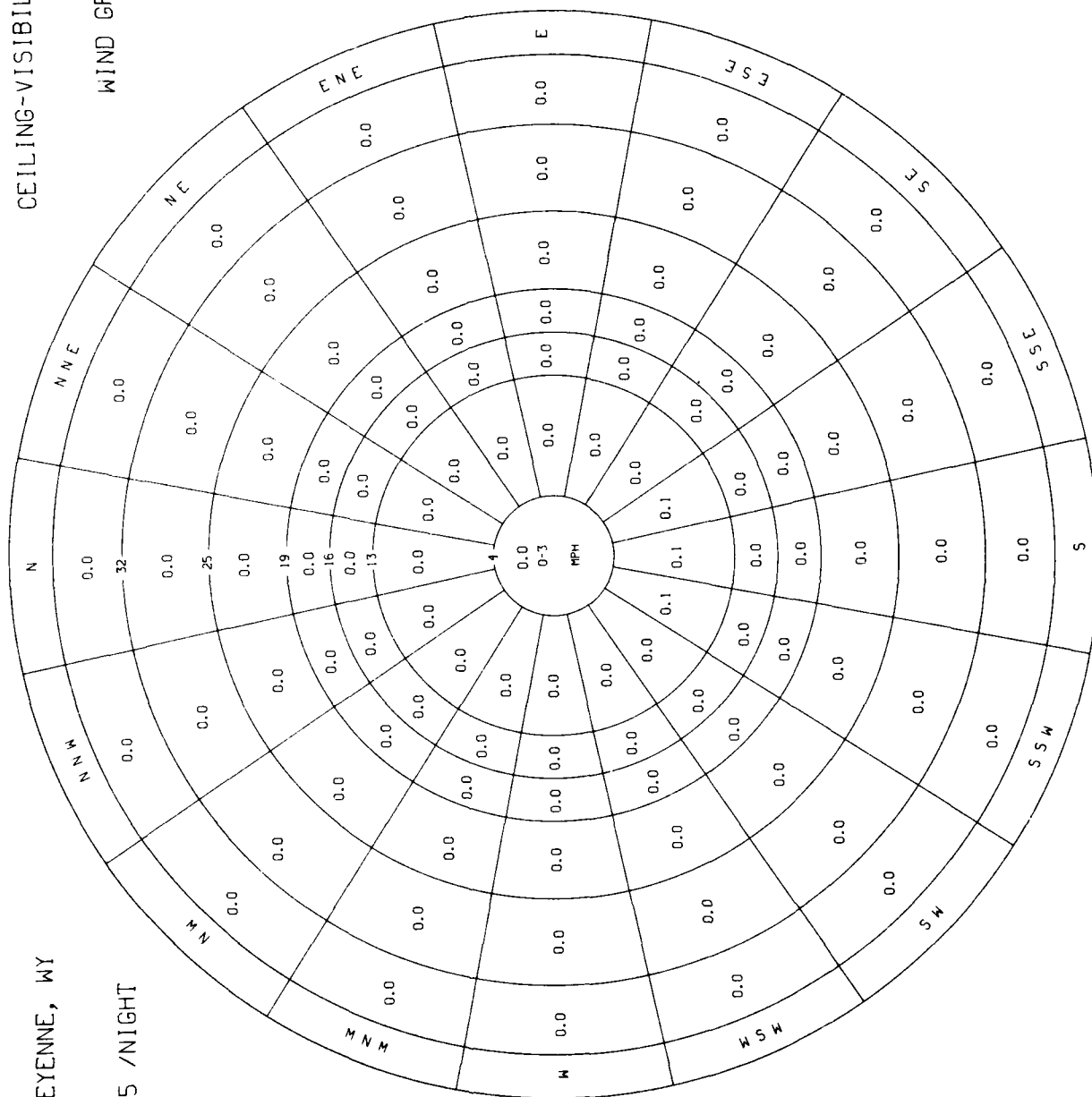
NO. OBS.: 287

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.3	.0	2.8	.0	2.4	.0	2.4	.0	3.8	.0	3.5	.0	1.7	.1 17.1
NNE	.0	.0	.0	2.1	.0	2.1	.0	1.4	.0	.7	.0	.3	.0	.3	.0 7.0
NE	.0	.0	.0	2.4	.0	1.4	.0	.7	.0	.7	.0	.0	.0	.0	.0 5.2
ENE	.0	.0	.0	3.1	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.2
E	.0	.3	.0	.7	.0	.3	.0	1.4	.0	.0	.0	.0	.0	.0	.0 2.8
ESE	.0	.0	.0	3.1	.0	1.4	.0	1.0	.0	.0	.0	.0	.0	.0	.0 5.6
SE	.0	.0	.0	3.5	.0	1.0	.0	2.8	.0	.7	.0	.0	.0	.0	.0 8.0
SSE	.0	.7	.0	5.6	.0	2.1	.0	3.5	.0	1.0	.0	.0	.0	.0	.1 12.9
S	.0	.7	.0	8.0	.0	3.8	.0	.3	.0	.0	.0	.0	.0	.0	.1 12.9
SSW	.0	.0	.0	5.9	.0	.3	.0	1.0	.0	.0	.0	.0	.0	.0	.0 7.3
SW	.0	.3	.0	4.2	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0 4.9
WSW	.0	.7	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.7
W	.0	.3	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.0
WNW	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .7
NW	.0	.3	.0	.7	.0	.0	.0	.0	.0	.0	.0	.7	.0	1.4	.0 3.1
NNW	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	1.0	.0	3.1	.0 4.5
CALM	.0	1.0													.0 1.0
TOTAL	.0	4.9	.2	44.9	.1	16.0	.1	14.6	.0	7.3	.0	5.6	.0	6.6	.6 100
															14.4

WIND GRAPH

CYS CHEYENNE, WY

CLASS 5 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: CYS CHEYENNE

CLASS 5 / NIGHT

NO. OBS.: 339

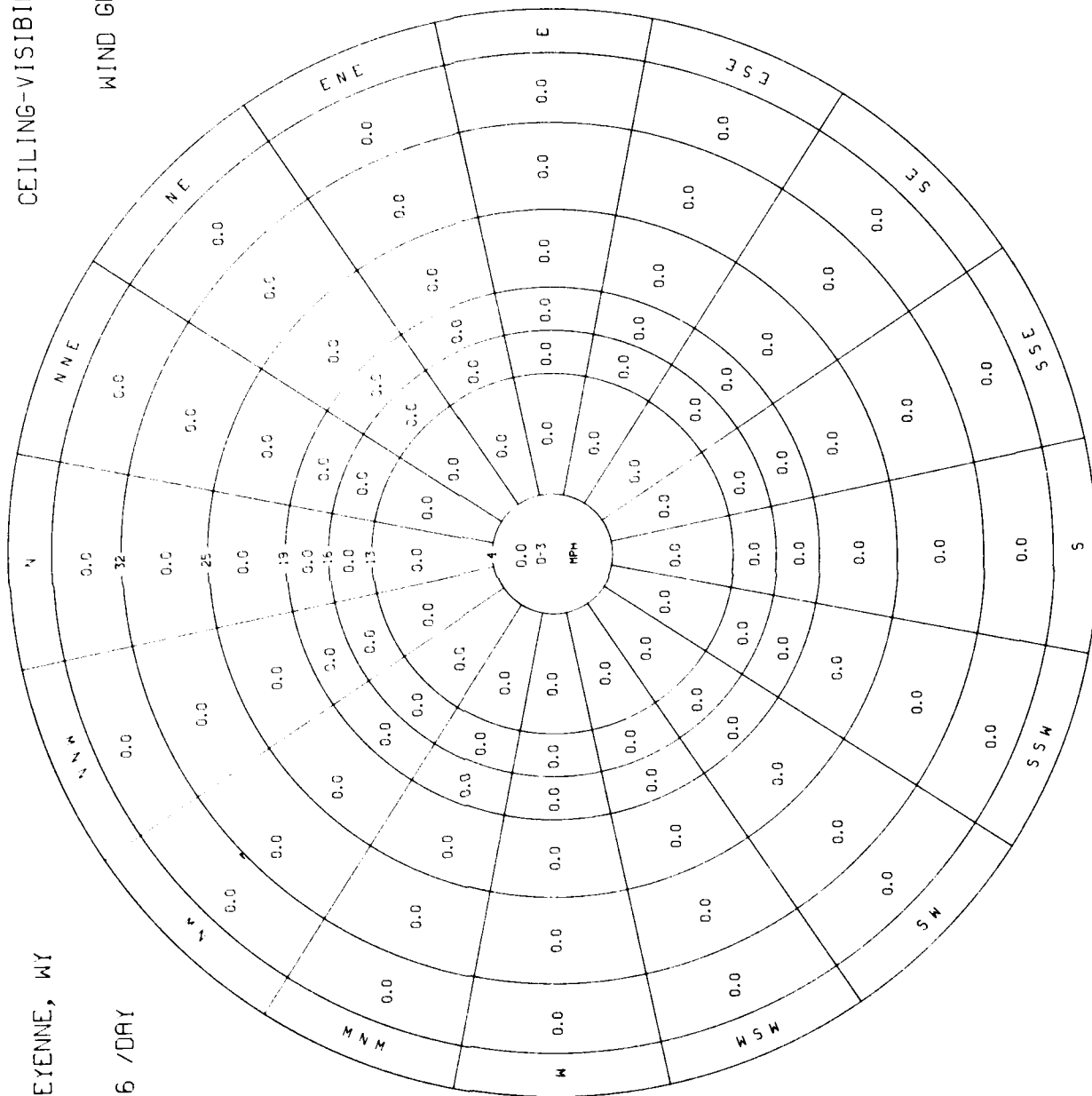
STATION NUMBER: 24018

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL			
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D	
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	13.0	18.1
NNE	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.1
NNE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.0
ENE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.9
E	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.0
ESE	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.0
SE	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.0
SSE	.0	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	10.0
S	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	11.6
SSW	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	11.2
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	11.1
WSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.2
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.2
WNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.0
NW	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.7
NNW	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17.1
CALM	.0	.6																26.3
TOTAL	.0	2.9	.5	5.0	.2	19.8	.1	11.2	.1	5.9	.0	2.7	.0	3.5	.0	.9	100	12.7

CEILING-VISIBILITY WIND GRAPH

C/S CHEYENNE, WY

CLASS 6 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: CYS CHEYENNE, WY

CLASS 6 / DAY

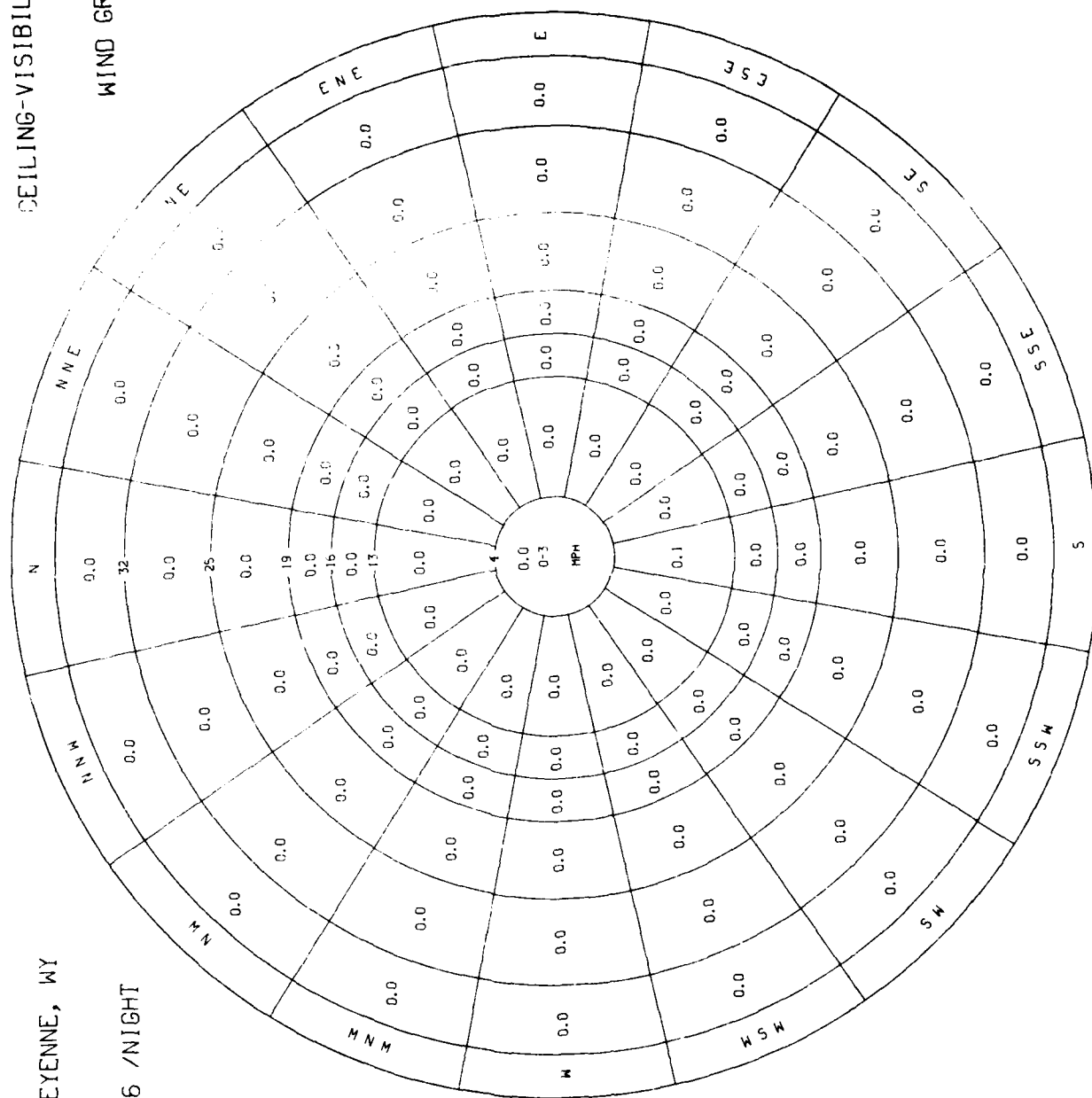
NO. OBS.: 180

STATION NUMBER: 24018

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.0	.0	.6	.0	.0	.0	.6	.0	1.1	.0	1.7	.0	6.7	.0 10.6 33.0
NNE	.0	.0	.0	1.7	.0	1.1	.0	.6	.0	.0	.0	.6	.0	.6	.0 4.4 16.6
NE	.0	.0	.0	3.3	.0	.0	.0	.6	.0	.0	.0	.6	.0	.0	.0 4.4 12.0
ENE	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.1 4.0
E	.0	.0	.0	.6	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0 2.2 15.2
ESE	.0	.0	.0	5.0	.0	1.1	.0	.0	.0	1.1	.0	.6	.0	.0	.0 7.8 12.6
SE	.0	.0	.0	3.3	.0	5.0	.0	3.3	.0	2.2	.0	.0	.0	.0	.0 13.9 13.9
SSE	.0	.6	.0	5.6	.0	3.3	.0	3.9	.0	2.2	.0	.0	.0	.0	.1 15.6 14.6
S	.0	1.7	.0	12.8	.0	3.9	.0	1.7	.0	.0	.0	.0	.0	.0	.1 20.0 10.7
SSW	.0	.0	.0	3.9	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.4 10.4
SW	.0	.0	.0	2.2	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.8 9.6
WSW	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .6 2.0
W	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .6 8.0
WNW	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.1 4.5
NW	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.8 36.4
NNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	7.2	.0 7.8 39.4
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .0
TOTAL	.0	3.9	.1	41.1	.1	15.6	.0	12.2	.0	6.7	.0	3.9	.1	16.7	.3 100 17.4

CEILING-VISIBILITY

WIND GRAPH



CYS CHEYENNE, WY

CLASS 6 /NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: CYS CHEYENNE, WY

CLASS 6 / NIGHT

NO. OBS.: 247

STATION NUMBER: 24018

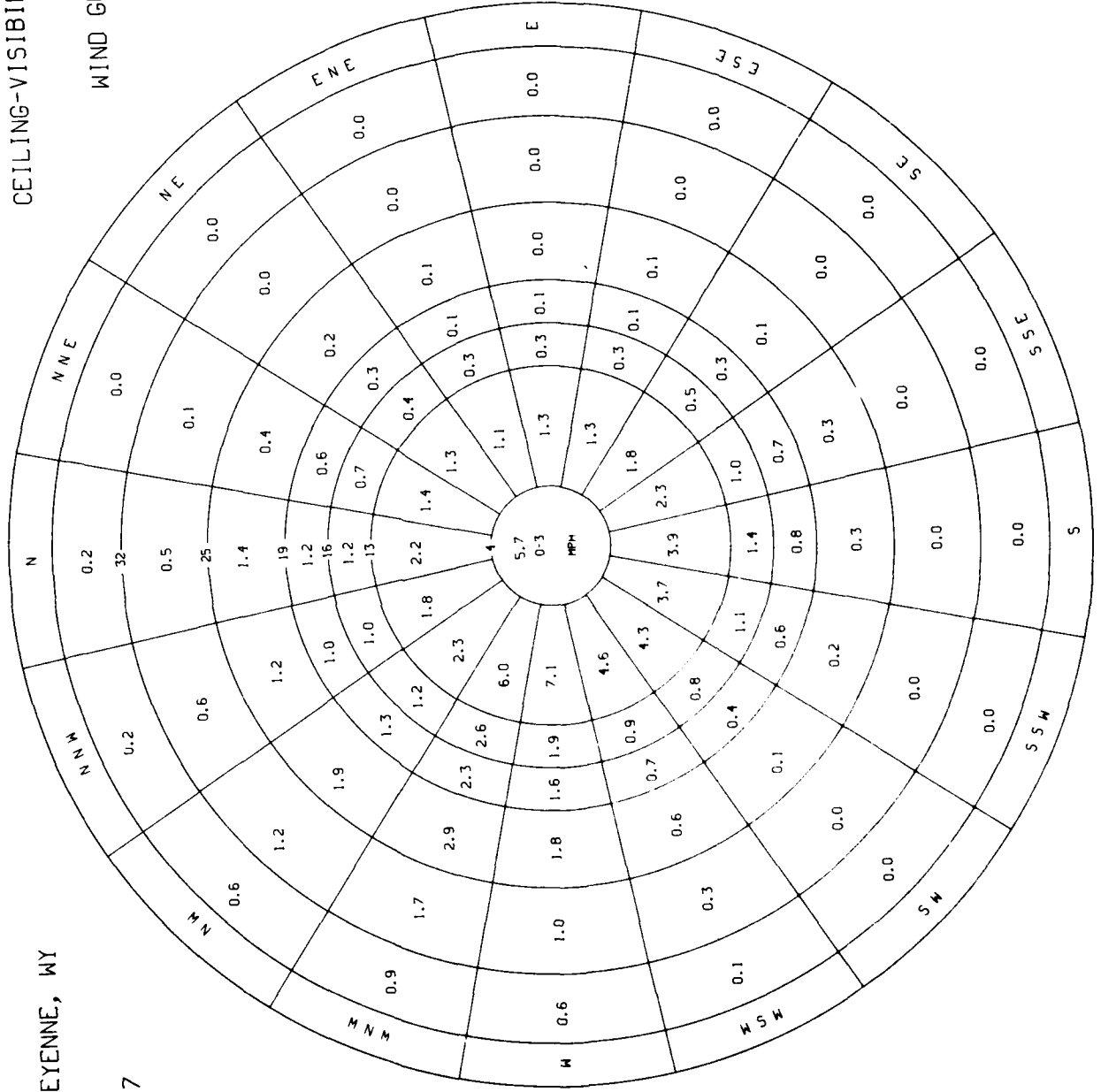
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
																C	D
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			
N	.0	.4	.0	2.4	.0	1.2	.0	.4	.0	.8	.0	1.2	.0	4.9	.1	11.3	25.9
NNE	.0	.0	.0	2.8	.0	1.2	.0	.0	.0	.4	.0	.4	.0	.0	.0	4.9	12.2
NNE	.0	.0	.0	2.0	.0	.8	.0	.4	.0	.0	.0	.4	.0	.0	.0	3.6	12.1
ENE	.0	.0	.0	1.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	10.5
E	.0	.8	.0	2.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	8.7
ESE	.0	.4	.0	4.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.3	8.6
SE	.0	.4	.0	4.0	.0	3.2	.0	1.2	.0	.8	.0	.0	.0	.0	.1	9.7	12.6
SSE	.0	.8	.0	6.1	.0	5.3	.0	2.8	.0	2.0	.0	.0	.0	.0	.1	17.0	13.5
S	.0	1.6	.1	10.9	.0	6.1	.0	2.0	.0	.4	.0	.0	.0	.0	.1	21.1	11.4
SSH	.0	.4	.0	4.5	.0	1.2	.0	.8	.0	.0	.0	.0	.0	.0	.0	6.9	10.8
SH	.0	.0	.0	4.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.5	7.6
WSH	.0	.8	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	5.0
W	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	6.0
WNW	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.8	19.0
NW	.0	.4	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	37.2
NNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	40.2
CALM	.0	1.2													.0	1.2	
TOTAL	.0	7.7	.3	47.4	.1	20.6	.0	7.7	.0	4.5	.0	2.0	.1	10.1	.6	100	14.4

CEILING-VISIBILITY

WIND GRAPH

CYS CHEYENNE, WY

CLASS 7

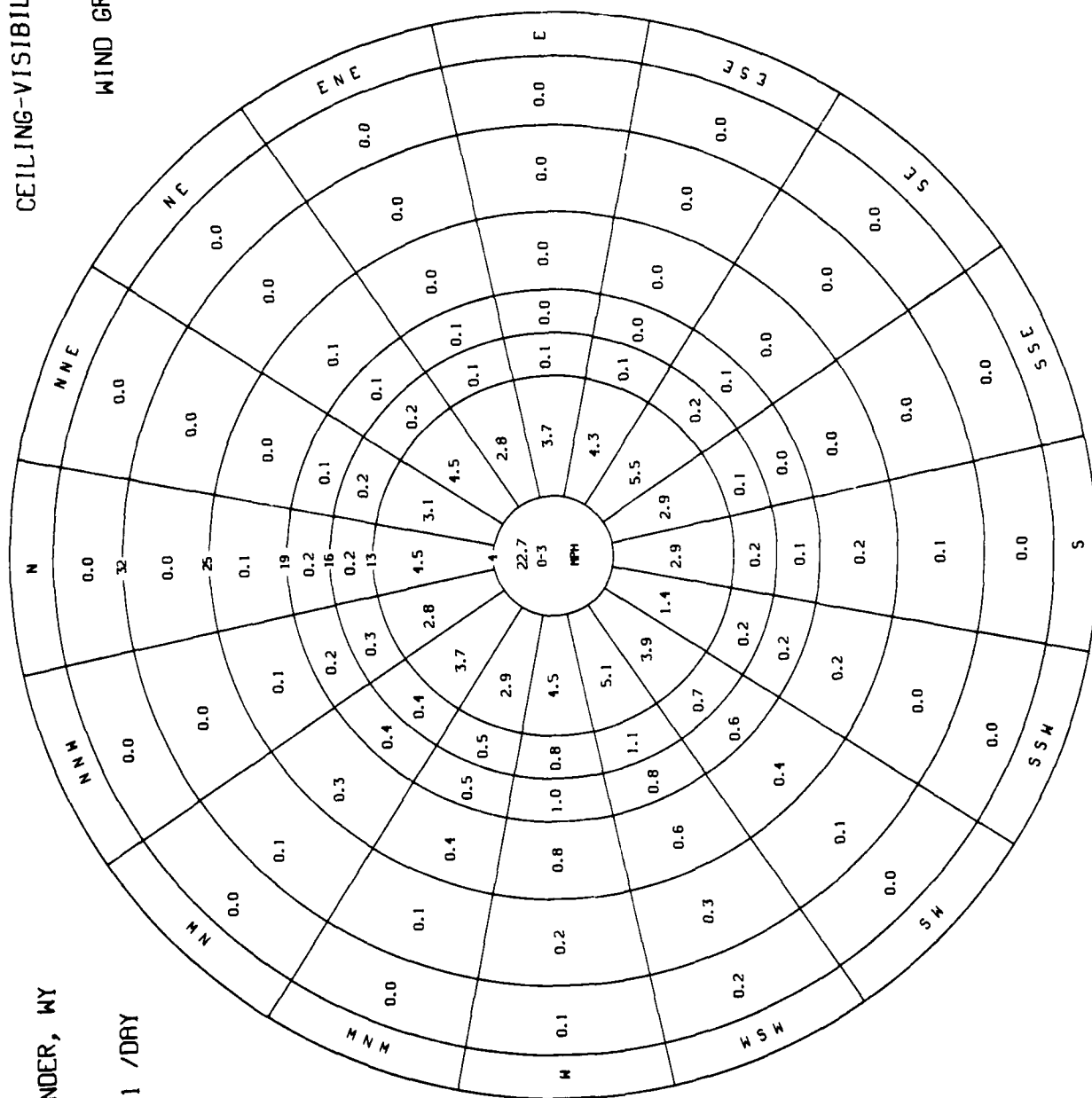


CEILING-VISIBILITY

WIND GRAPH

LND LANDER, WY

CLASS 1 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LND LANDER, WY

PERIOD: 1959-1978

CLASS 1 / DAY

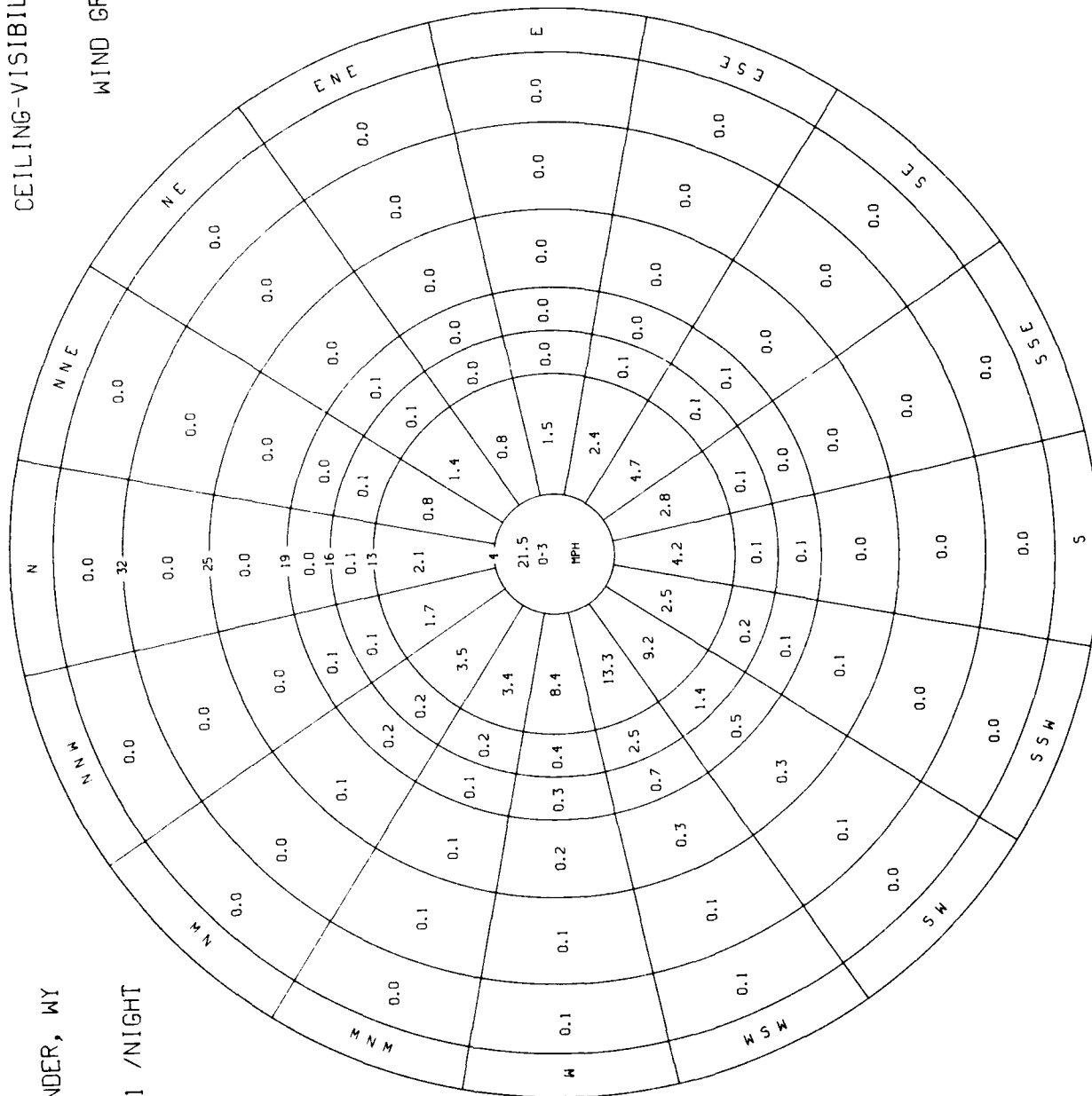
STATION NUMBER: 24021

NO. OBS.: 32101

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	O
N	.5	.6	4.5	4.7	.2	.3	.2	.2	.1	.1	.0	.0	.0	.0	5.6	5.9	7.6
NNE	.3	.3	3.1	3.2	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	3.7	3.9	7.4
NE	.6	.6	4.5	4.7	.2	.3	.1	.1	.1	.1	.0	.0	.0	.0	5.5	5.7	7.6
ENE	.2	.3	2.8	2.9	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	3.3	3.4	7.6
E	.4	.4	3.7	3.9	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	4.2	4.4	6.8
ESE	.3	.3	4.3	4.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	4.7	5.0	7.1
SE	.5	.6	5.5	5.8	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	6.4	6.7	7.1
SSE	.3	.3	2.9	3.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	3.4	3.5	7.1
S	.4	.4	2.9	3.0	.2	.2	.1	.1	.2	.2	.1	.1	.0	.0	3.9	4.0	8.0
SSW	.2	.2	1.4	1.5	.2	.2	.2	.2	.2	.2	.0	.0	.0	.0	2.2	2.3	10.0
SW	.3	.3	3.9	4.0	.7	.7	.6	.6	.4	.5	.1	.1	.0	.0	6.0	6.3	10.9
WSW	.2	.3	5.1	5.3	1.1	1.1	.8	.8	.6	.6	.3	.3	.2	.2	8.2	8.6	11.9
W	.4	.4	4.5	4.7	.8	.9	1.0	1.1	.8	.8	.2	.3	.1	.1	7.9	8.2	11.5
WNW	.3	.3	2.9	3.1	.5	.5	.5	.5	.4	.4	.1	.1	.0	.0	4.7	4.9	10.7
NW	.5	.5	3.7	3.9	.4	.4	.4	.4	.3	.3	.1	.1	.0	.0	5.3	5.5	9.0
NNW	.2	.3	2.8	3.0	.3	.3	.2	.2	.1	.1	.0	.0	.0	.0	3.8	3.9	8.8
CALM	17.0		17.8												17.0		17.8
TOTAL	22.7	23.7	58.6	61.1	5.4	6.6	4.5	4.7	3.4	3.5	1.0	1.0	.3	.4	95.8	100	7.4

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LND LANDER, WY

PERIOD: 1959-1978

CLASS 1 / NIGHT

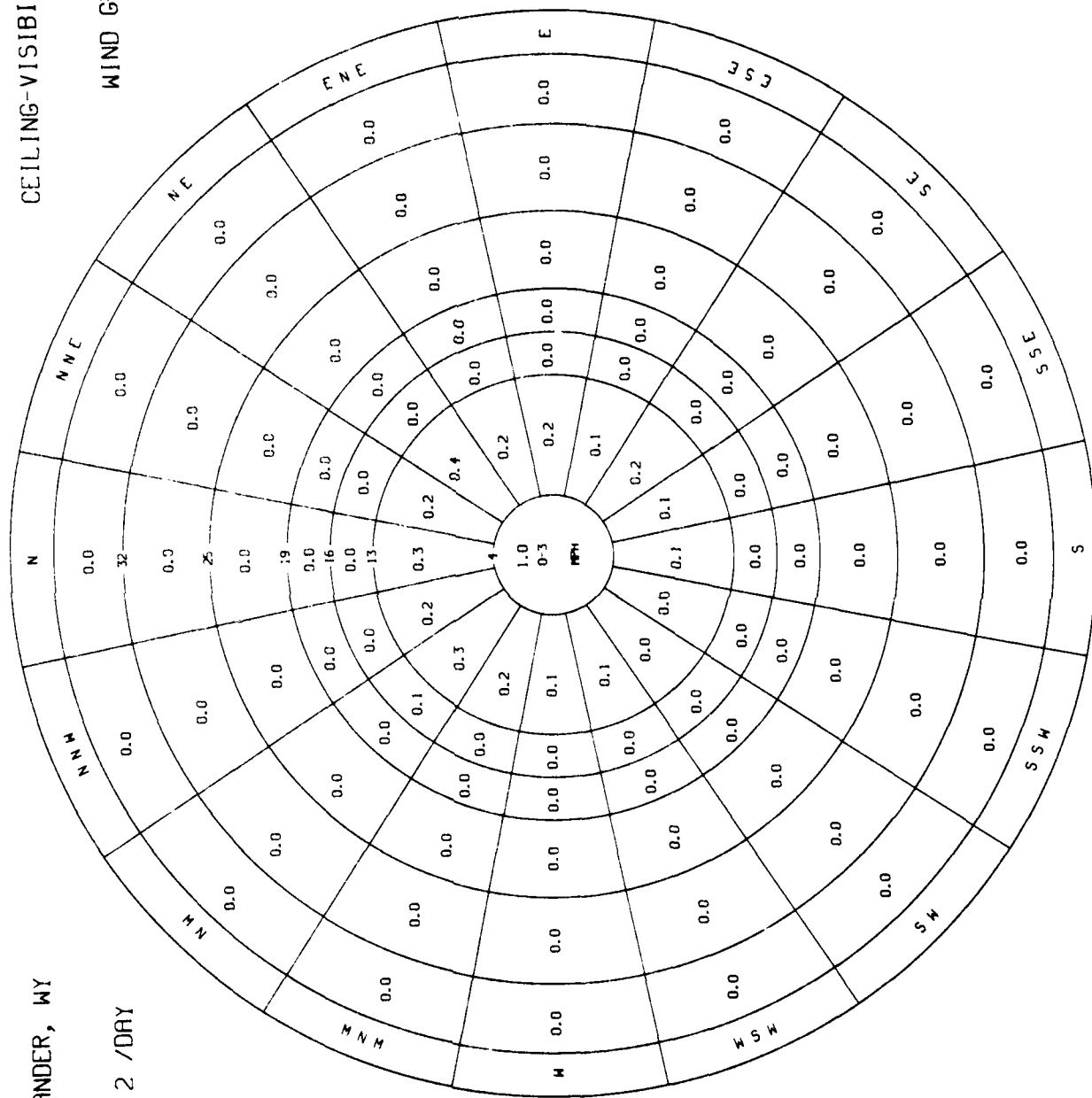
STATION NUMBER: 24021

NO. OBS.: 23448

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.3	.3	2.1	2.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.5 2.7 7.0
NNE	.1	.1	.8	.9	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.0 1.0 7.1
NE	.2	.2	1.4	1.5	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	1.8 1.9 7.6
ENE	.1	.1	.8	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9 1.0 7.3
E	.1	.1	1.5	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6 1.8 7.2
ESE	.1	.1	2.4	2.6	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.6 2.8 7.3
SE	.3	.3	4.7	5.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	5.2 5.5 7.0
SSE	.3	.3	2.8	3.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	3.2 3.4 6.7
S	.4	.5	4.2	4.4	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	4.9 5.2 6.7
SSW	.2	.2	2.5	2.7	.2	.2	.1	.1	.1	.1	.0	.0	.0	.0	3.1 3.3 8.1
SW	.5	.5	9.2	9.8	1.4	1.5	.5	.6	.3	.3	.1	.1	.0	.0	12.0 12.7 9.5
WSW	.4	.4	13.3	14.1	2.5	2.6	.7	.7	.3	.3	.1	.1	.1	.1	17.4 18.5 10.1
W	.7	.8	8.4	9.0	.4	.5	.3	.3	.2	.2	.1	.1	.1	.1	10.2 10.9 8.1
WNW	.3	.3	3.4	3.7	.2	.2	.1	.1	.1	.1	.1	.1	.0	.0	4.2 4.5 8.0
NW	.4	.4	3.5	3.7	.2	.2	.2	.2	.1	.1	.0	.0	.0	.0	4.4 4.7 7.8
NNW	.2	.2	1.7	1.8	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	2.1 2.2 7.4
CALM	16.9	18.0													16.9 18.0
TOTAL	21.5	22.9	62.7	66.6	5.7	6.0	2.3	2.5	1.2	1.3	.4	.4	.2	.2	94.1 100 6.9

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LND LANDER, W

PERIOD: 1959-1978

CLASS 2 / DAY

STATION NUMBER: 24021

NO. OBS.: 1411

D I R	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.6	.3	.7	.0	.6	.0	.2	.0	.1	.0	.0	.0	.0	.4	.9	8.2
NNE	.0	.3	.2	.5	.0	.6	.0	.1	.0	.1	.0	.1	.0	.0	.3	.6	8.8
NE	.0	.5	.4	.9	.0	1.1	.0	.2	.0	.2	.0	.0	.0	.0	.4	1.0	8.7
ENE	.0	.3	.2	.4	.0	.6	.0	.4	.0	.1	.0	.0	.0	.0	.2	.5	8.7
E	.0	.3	.2	.4	.0	.6	.0	.1	.0	.0	.0	.0	.0	.0	.3	.6	8.4
ESE	.0	.1	.1	.2	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.1	.3	7.7
SE	.0	.2	.2	.4	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.2	.4	7.7
SSE	.0	.2	.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	6.7
S	.0	.1	.1	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	6.2
SSH	.0	.2	.0	.5	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.8	7.5
SH	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.2	6.2
WSH	.0	.1	.1	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.3	6.9
W	.0	.2	.1	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	3.8	7.2
WNW	.0	.4	.2	.4	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.2	5.3	7.0
NW	.0	.7	.3	.7	.1	1.2	.0	.3	.0	.0	.0	.0	.0	.0	.4	10.0	8.3
NNW	.0	.1	.2	.5	.0	1.0	.0	.0	.0	.1	.0	.0	.0	.0	.3	6.9	8.8
CALM	.8	19.0													.8	19.0	
TOTAL	1.0	23.5	2.8	6.5	.3	6.8	.1	1.4	.0	.6	.0	.1	.0	.0	4.2	10.0	6.6

AD-A108 167

NATIONAL CLIMATIC CENTER ASHEVILLE NC

F/G 4/2

WIND - CEILING - VISIBILITY DATA AT SELECTED AIRPORTS. VOLUME V--ETC(U)

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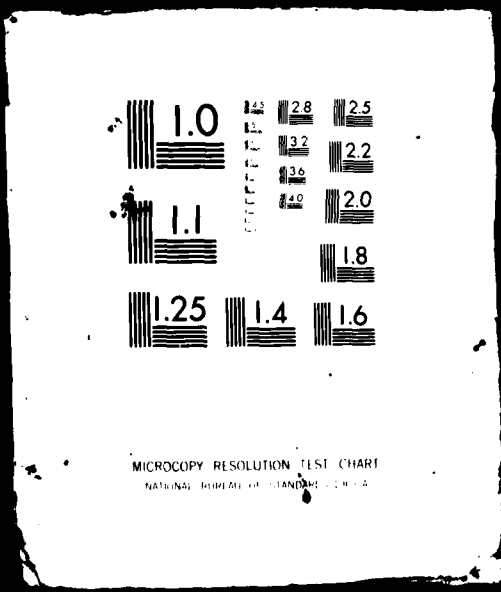
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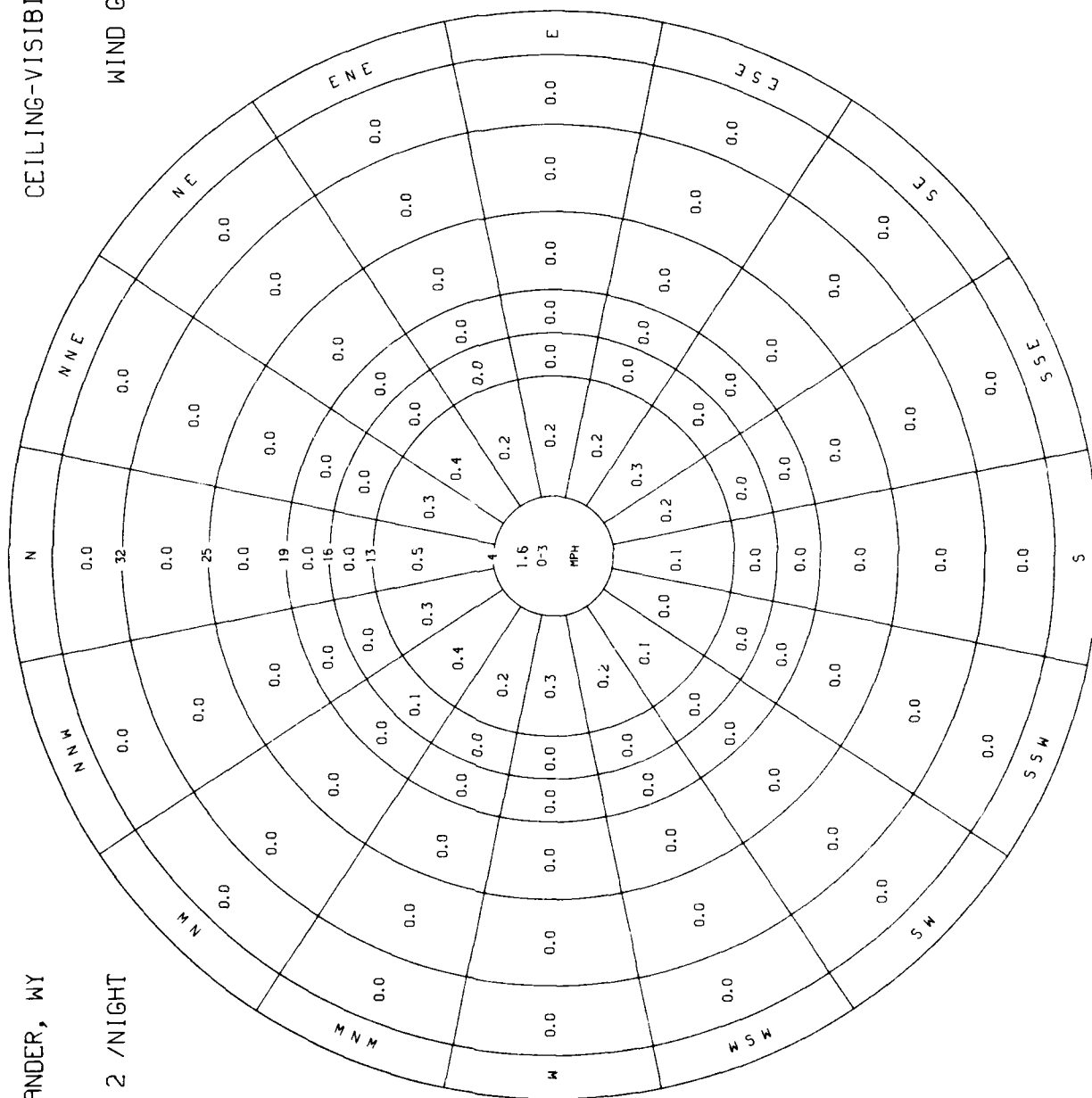
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108167



CEILING-VISIBILITY WIND GRAPH

LND LANDER, WY
CLASS 2 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1959-1978

STATION NAME: LND LANDER, WY

CLASS 2 / NIGHT

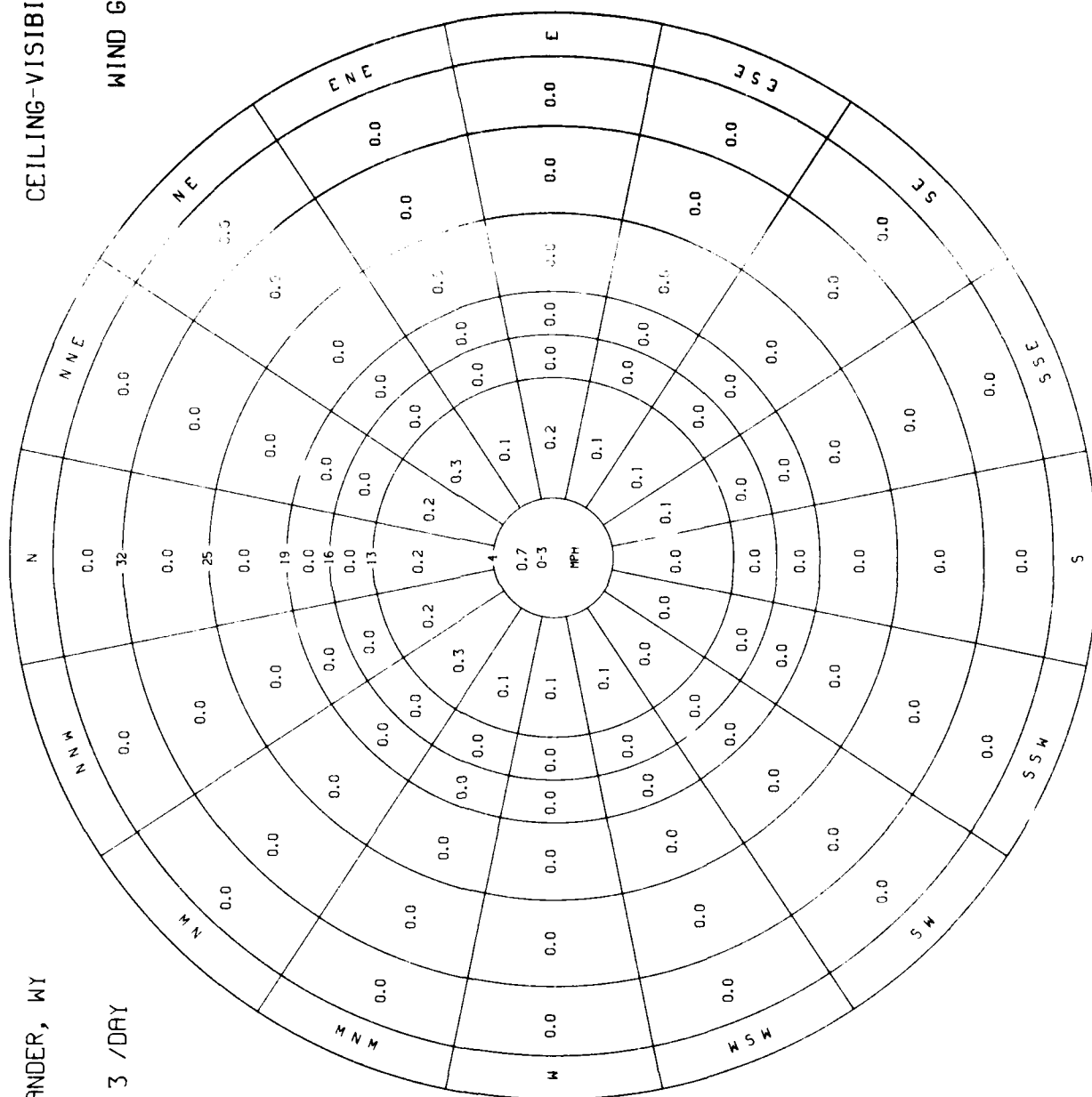
NO. OBS.: 1468

STATION NUMBER: 24021

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.7	.5	8.2	.0	.5	.0	.1	.0	.0	.0	.1	.0	.0	.6 9.5
NNE	.0	.4	.3	4.3	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.3 5.2
N	.1	1.0	.4	6.8	.0	.4	.0	.4	.0	.1	.0	.1	.0	.0	.5 8.9
ENE	.0	.0	.2	3.0	.0	.5	.0	.1	.0	.0	.0	.0	.0	.0	.2 3.7
E	.0	.3	.2	3.4	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.2 4.0
ESE	.0	.3	.2	2.7	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.2 3.3
SE	.0	.4	.3	4.7	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.3 5.3
SSE	.0	.2	.2	2.9	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.2 3.3
S	.0	.4	.1	1.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 2.2
SSW	.0	.3	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 .9
SW	.0	.5	.1	2.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2 3.0
WSW	.0	.1	.2	3.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2 3.5
W	.1	1.0	.3	5.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.4 6.5
WNW	.0	.1	.2	3.9	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2 4.1
NW	.0	.6	.4	7.4	.1	1.1	.0	.2	.0	.1	.0	.1	.0	.0	.6 9.5
NNW	.0	.4	.3	5.0	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.4 6.0
CALM	1.2	21.1													1.2 21.1
TOTAL	1.6	27.8	3.9	65.8	.3	4.3	.1	1.4	.0	.5	.0	.2	.0	.0	5.9 100
															5.9

CEILING-VISIBILITY

WIND GRAPH



LND LANDER, WY

CLASS 3 /DAY

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1959-1978

STATION NAME: LND LANDER, WY

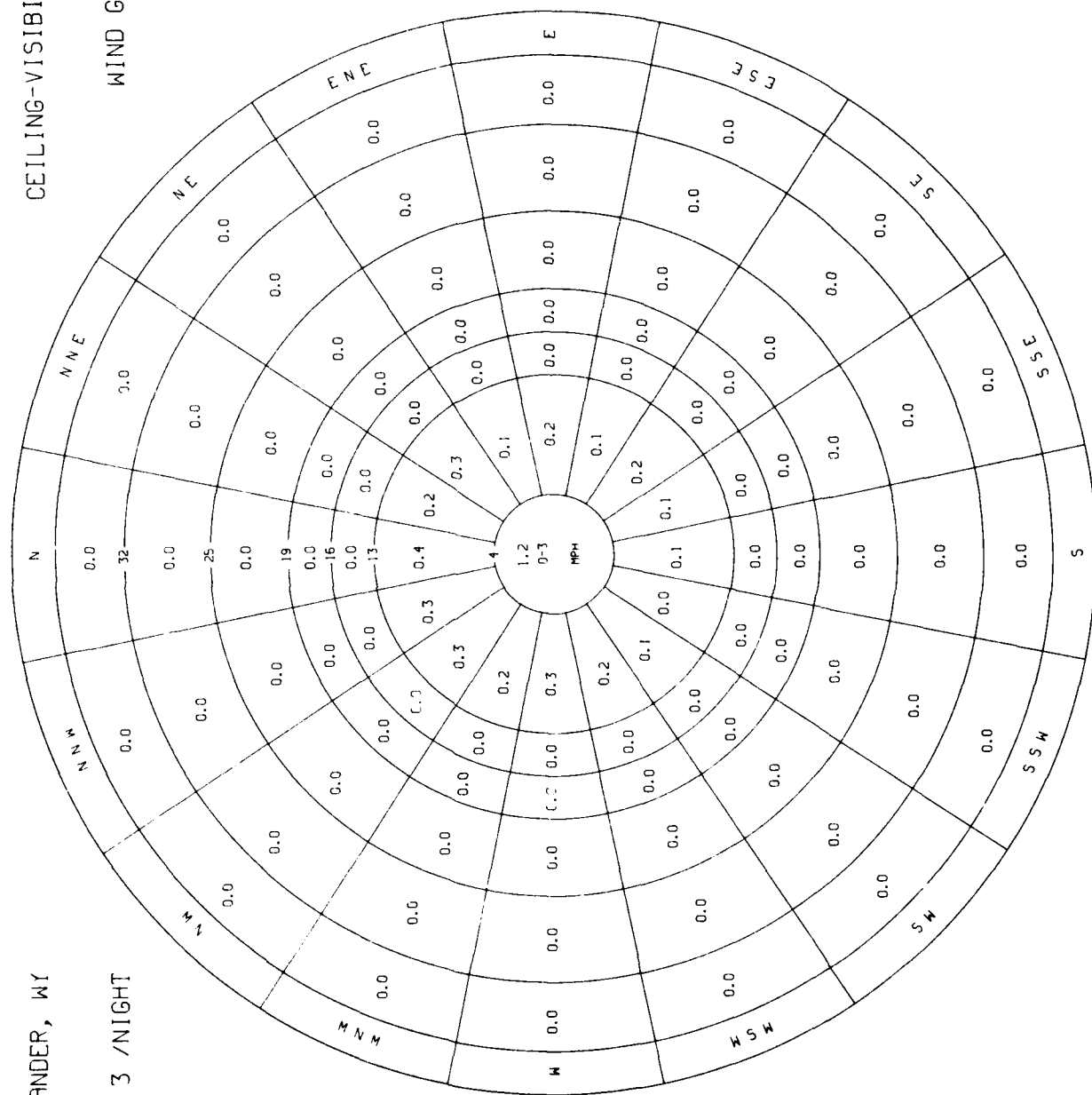
CLASS 3 / DAY

NO. OBS.: 1032

STATION NUMBER: 24021

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.9	.2	6.4	.0	.7	.0	.2	.0	.2	.0	.0	.0	.0	.3 8.3
NNE	.0	.4	.2	5.0	.0	.5	.0	.1	.0	.1	.0	.0	.0	.0	.2 6.1
NE	.0	.6	.3	9.0	.0	1.0	.0	.3	.0	.0	.0	.0	.0	.0	.3 10.9
ENE	.0	.3	.1	4.8	.0	.5	.0	.4	.0	.0	.0	.0	.0	.0	.2 6.0
E	.0	.3	.2	5.4	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.2 6.2
ESE	.0	.1	.1	3.6	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1 4.0
SE	.0	.3	.1	4.4	.0	.6	.0	.1	.0	.0	.0	.0	.0	.0	.2 5.3
SSE	.0	.2	.1	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 1.9
S	.0	.2	.0	1.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.6
SSW	.0	.3	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.0
SW	.0	.2	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.5
WSW	.0	.2	.1	3.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.6
W	.0	.2	.1	3.7	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1 4.1
WNW	.0	.4	.1	4.7	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.2 5.4
NW	.0	.8	.3	8.1	.0	1.1	.0	.3	.0	.0	.0	.0	.0	.0	.3 10.3
NNW	.0	.2	.2	6.0	.0	.8	.0	.0	.0	.1	.0	.0	.0	.0	.2 7.1
CALM	.5	16.9													.5 16.9
TOTAL	.7	22.3	2.1	69.4	.2	6.5	.0	1.4	.0	.4	.0	.1	.0	.0	3.1 100

CEILING-VISIBILITY
WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LND LANDER, WY

PERIOD: 1959-1978

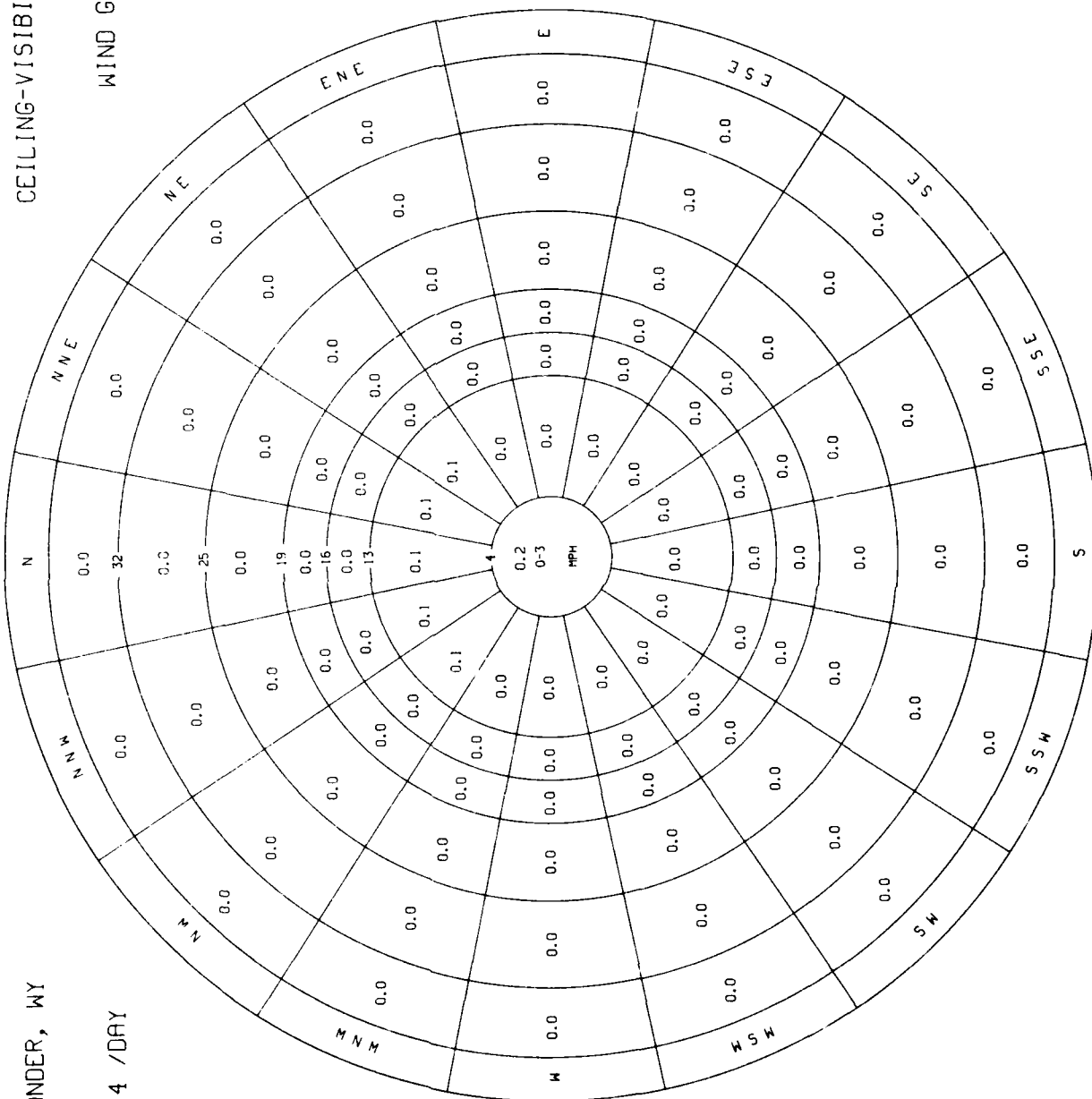
CLASS 3 / NIGHT

STATION NUMBER: 24021

NO. OBS.: 1153

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D
N	.0	.6	.4	8.6	.0	.3	.0	.2	.0	.0	.0	.1	.0	.0	.5	9.8	7.5
NNE	.0	.4	.2	3.9	.0	.3	.0	.0	.0	.2	.0	.0	.0	.0	.2	4.8	7.6
N E	.0	1.0	.3	7.0	.0	.3	.0	.3	.0	.0	.0	.1	.0	.0	.4	8.8	7.7
ENE	.0	.0	.1	2.6	.0	.6	.0	.2	.0	.0	.0	.0	.0	.0	.2	3.4	9.5
E	.0	.3	.2	3.5	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2	4.0	7.5
ESE	.0	.3	.1	2.5	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.1	7.2
SE	.0	.5	.2	4.9	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.3	5.6	6.8
SSE	.0	.2	.1	3.2	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.2	3.6	7.2
S	.0	.5	.1	2.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.6	5.7
SSW	.0	.3	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	4.8
SW	.0	.5	.1	2.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.2	6.3
WSW	.0	.2	.2	3.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	3.9	7.2
W	.1	1.3	.3	5.7	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.3	7.2	6.1
WNW	.0	.1	.2	3.9	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.2	4.1	7.2
NW	.0	.7	.3	7.4	.0	.9	.0	.2	.0	.1	.0	.0	.0	.0	.4	9.2	8.0
NNW	.0	.3	.3	5.6	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.3	6.3	7.9
CALM	.9	19.6													.9	19.6	
TOTAL	1.2	26.9	3.1	67.6	.2	3.8	.1	1.2	.0	.3	.0	.2	.0	.0	4.6	100	5.9

CEILING-VISIBILITY
WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LND LANDER, WY

PERIOD: 1959-1978

CLASS 4 / DAY

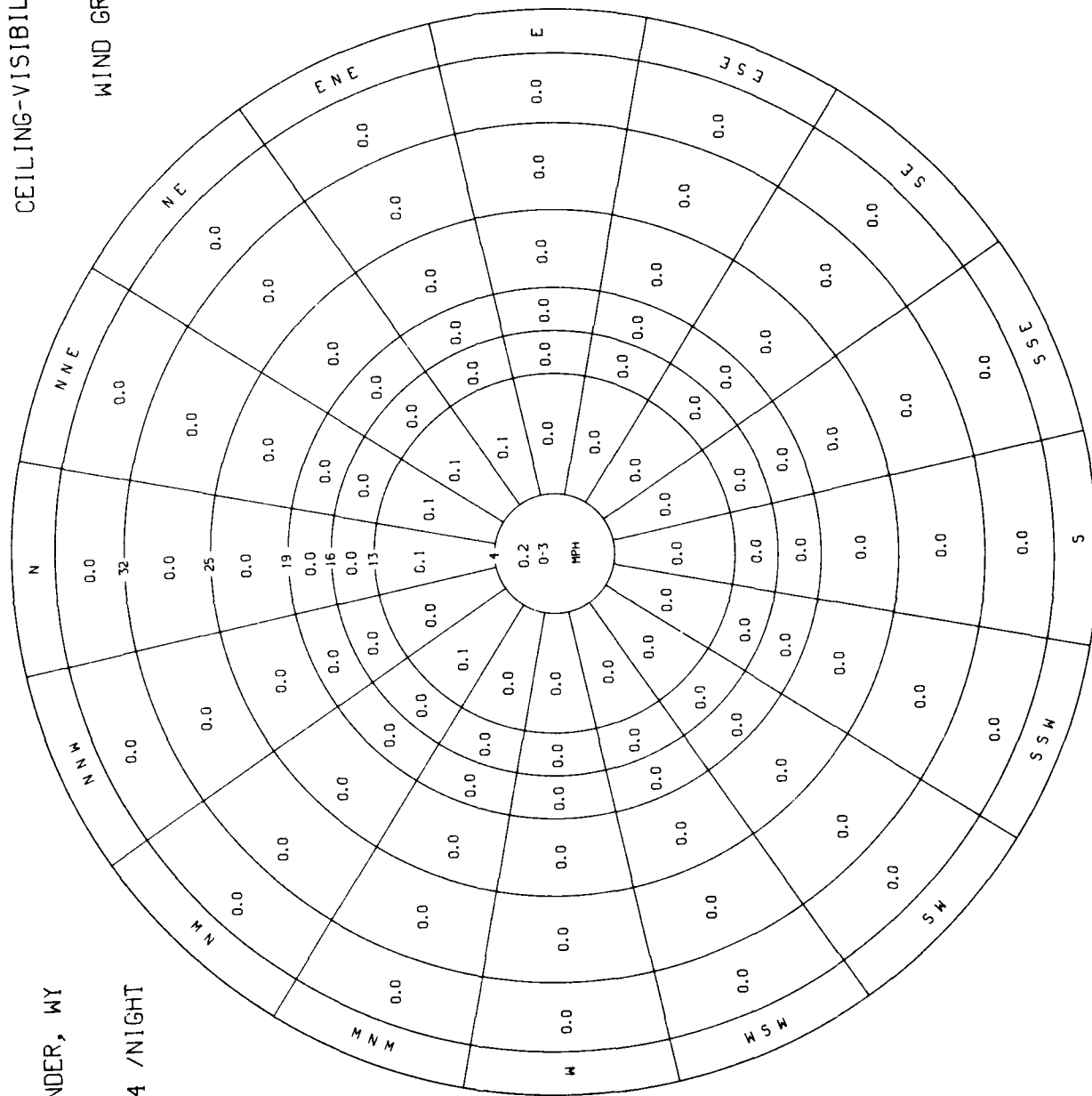
STATION NUMBER: 24021

NO. OBS.: 302

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.0	.1	13.6	.0	.7	.0	.3	.0	.0	.0	.0	.0	.0	.1 14.6
NNE	.0	.0	.1	8.3	.0	1.0	.0	.3	.0	.0	.0	.3	.0	.0	.1 9.9
NE	.0	.3	.1	7.9	.0	1.3	.0	.0	.0	1.0	.0	.0	.0	.0	.1 10.6
ENE	.0	.3	.0	3.0	.0	1.0	.0	.3	.0	.3	.0	.0	.0	.0	.0 5.0
E	.0	.3	.0	3.3	.0	1.0	.0	.3	.0	.0	.0	.0	.0	.0	.0 5.0
ESE	.0	.0	.0	2.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0 2.3
SE	.0	.0	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.0
SSE	.0	.3	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.0
S	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.3
SSW	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .3
SW	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .3
WSW	.0	.0	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.6
W	.0	.0	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.3
WNW	.0	.3	.0	5.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1 5.6
NW	.0	.7	.1	7.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 9.6
NNW	.0	.0	.1	5.6	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.1 7.3
CALM	.2	18.2													.2 18.2
TOTAL	.2	20.5	.6	67.2	.1	8.9	.0	1.7	.0	1.3	.0	.3	.0	.0	.9 100
															7.1

CEILING-VISIBILITY

WIND GRAPH



LND LANDER, WY

CLASS 4 /NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LND LANDER, WY

PERIOD: 1959-1978

CLASS 4 / NIGHT

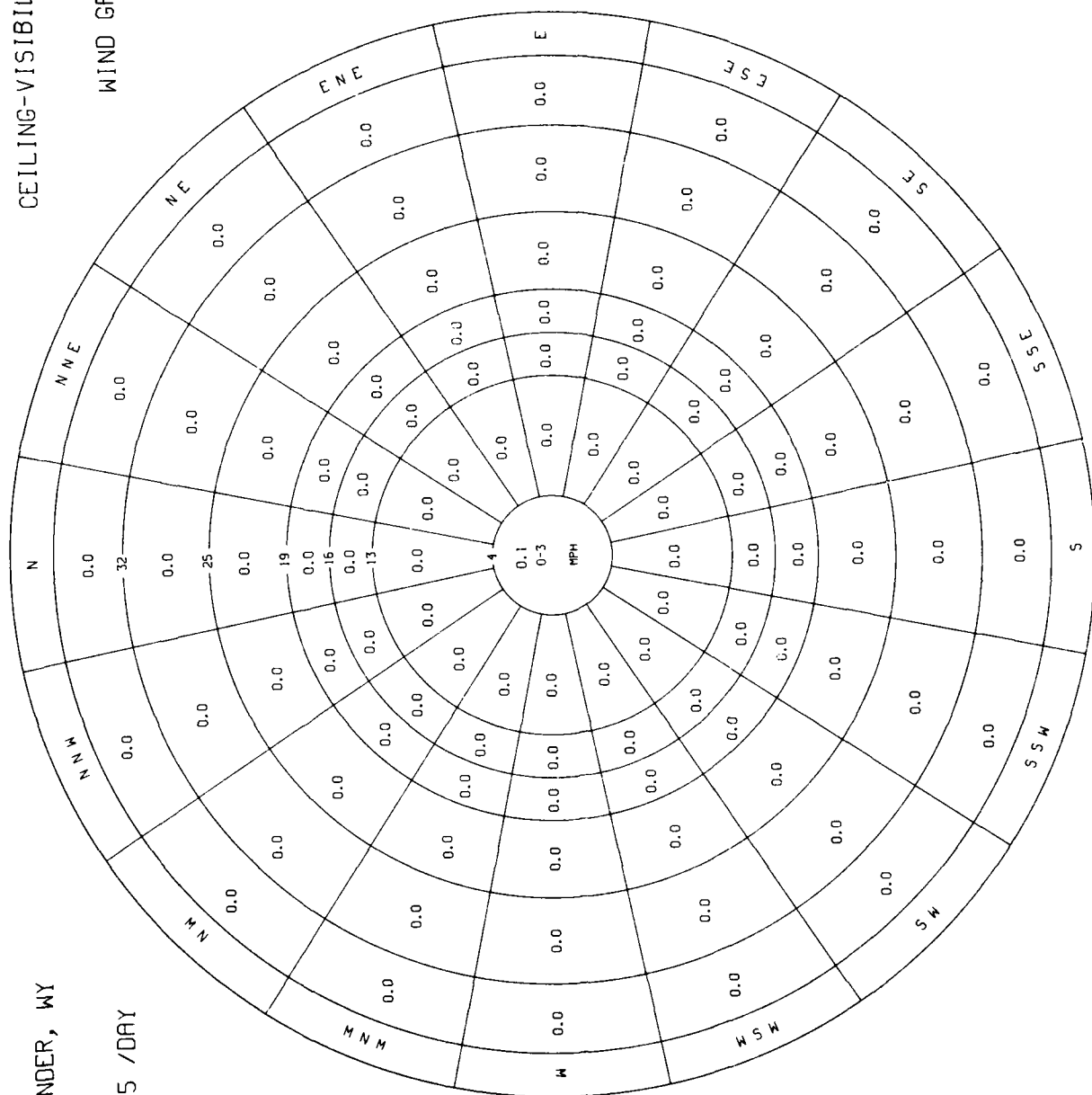
STATION NUMBER: 24021

NO. OBS.: 231

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.4	.1	8.2	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.1 10.0
NNE	.0	.4	.1	7.4	.0	.9	.0	.4	.0	.0	.0	.0	.0	.0	.1 9.1
NE	.0	.9	.1	6.9	.0	.9	.0	1.3	.0	.9	.0	.0	.0	.0	.1 10.8
ENE	.0	.0	.1	5.6	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1 6.1
E	.0	.0	.0	3.9	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.8
ESE	.0	.4	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.5
SSE	.0	.0	.0	3.9	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0 4.3
S	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.6
SSW	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .9
SW	.0	.4	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .9
WSW	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.7
W	.0	.0	.0	4.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.3
WNW	.0	.0	.0	3.9	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.8
NW	.0	.4	.1	8.2	.0	2.2	.0	.4	.0	.4	.0	.4	.0	.0	.1 12.1
NNW	.0	.9	.0	3.9	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.1 5.6
CALM	.2	17.3													.2 17.3
TOTAL	.2	21.6	.6	66.2	.1	7.8	.0	2.6	.0	1.3	.0	.4	.0	.0	.9 100
															7.0

CEILING-VISIBILITY

WIND GRAPH



LND LANDER, WY

CLASS 5 /DAY

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LND LANDER, WY

PERIOD: 1959-1978

CLASS 5 / DAY

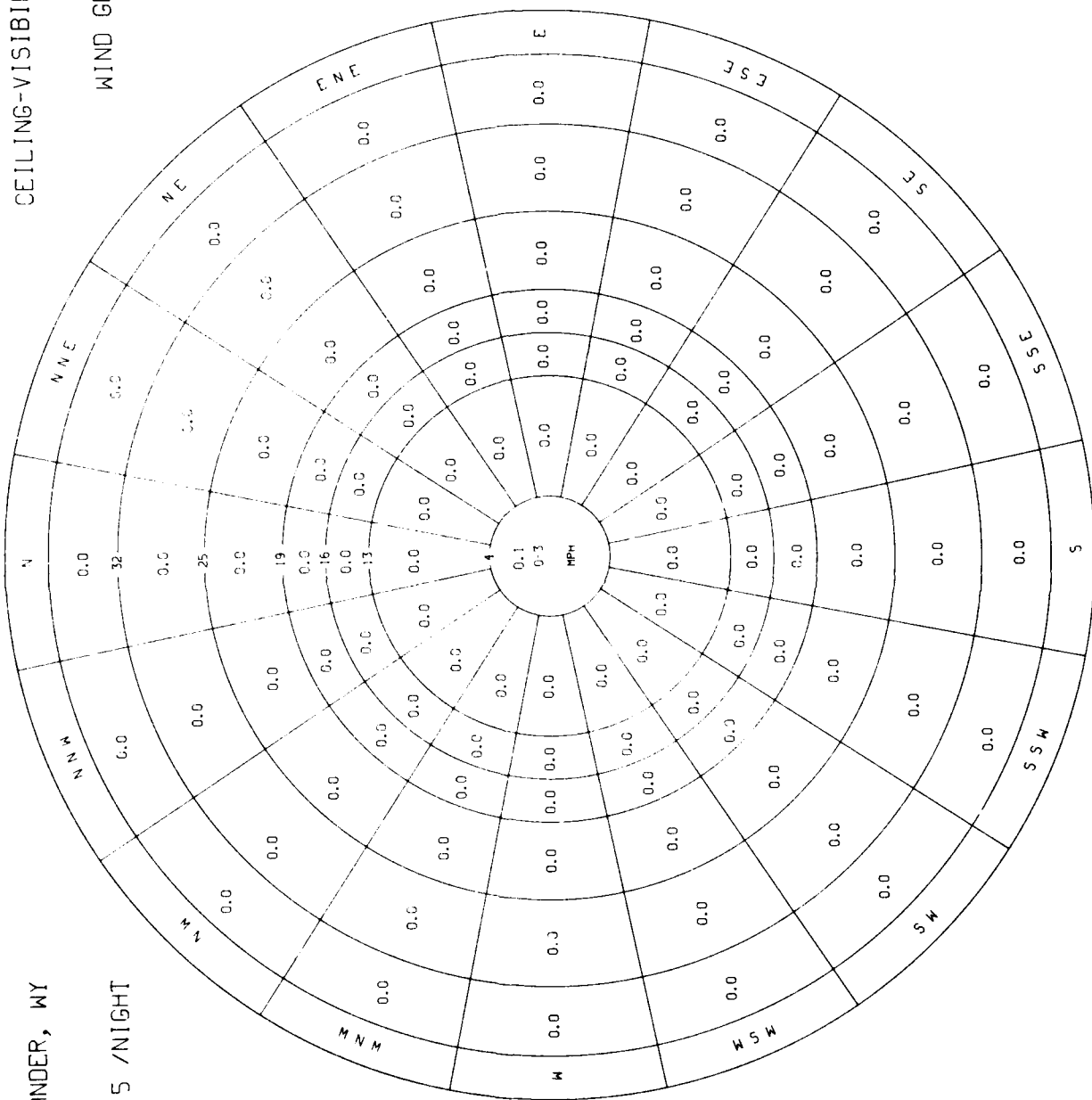
STATION NUMBER: 24021

NO. OBS.: 46

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D
N	.0	.0	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	12.0
NNE	.0	.0	.0	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	10.0
NE	.0	.0	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	8.0
ENE	.0	.0	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	6.0
E	.0	.0	.0	8.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.7	7.7
ESE	.0	.0	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	6.0
SE	.0	.0	.0	6.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.5	8.3
SSE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.0	.0	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	5.0
SSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
WSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	2.2	.0	6.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.7	6.0
WNW	.0	.0	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	7.0
NW	.0	.0	.0	8.7	.0	.0	.0	.0	2.2	.0	.0	.0	.0	.0	.0	10.9	9.4
NNW	.0	.0	.0	2.2	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	13.0
CALM	.1	41.3													.1	41.3	
TOTAL	.1	43.5	.1	52.2	.0	2.2	.0	2.2	.0	2.2	.0	.0	.0	.0	.0	1	100
																	4.8

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LND LANDER, WY

PERIOD: 1959-1978

CLASS 5 / NIGHT

STATION NUMBER: 24021

NO. OBS.: 33

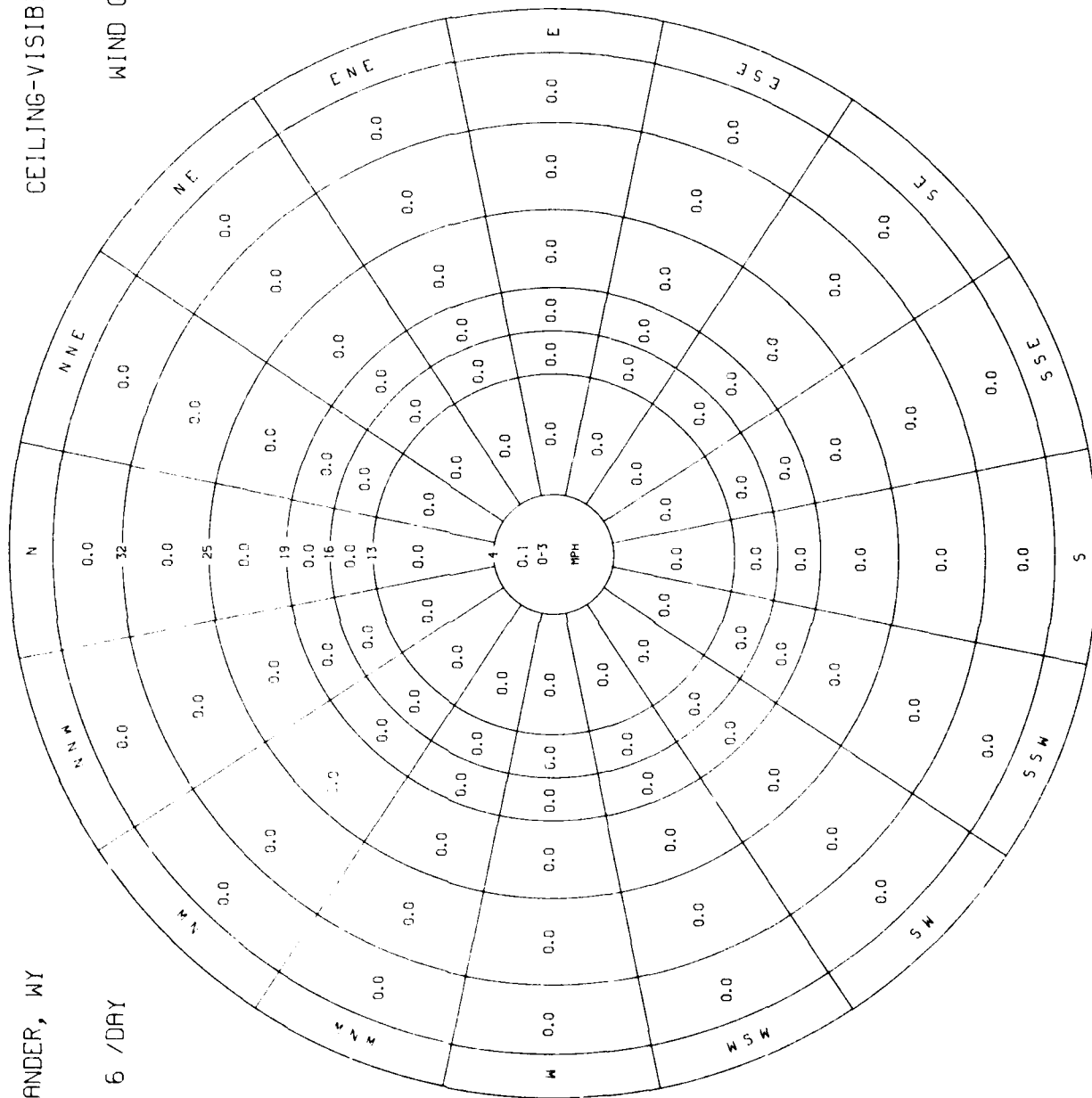
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C
N	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	3.0
NNE	.0	.0	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	12.0
NE	.0	.0	.0	9.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.1	6.3
ENE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	5.0
ESE	.0	.0	.0	6.1	.0	.0	.0	3.0	.0	.0	.0	.0	.0	.0	.0	9.1	9.3
SE	.0	.0	.0	6.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.1	5.5
SSE	.0	.0	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	5.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	5.0
WSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	6.0
WNW	.0	.0	.0	6.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.1	5.5
NW	.0	.0	.0	9.1	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.1	10.2
NNW	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	3.0
CALM	.0	36.4													.0	36.4	
TOTAL	.1	42.4	.1	51.5	.0	3.0	.0	3.0	.0	.0	.0	.0	.0	.0	.0	100	4.5

CEILING-VISIBILITY

WIND GRAPH

LND LANDER, WY

CLASS 6 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LUD LARGER, WY

PERIOD: 1959-1978

CLASS 6 / DAY

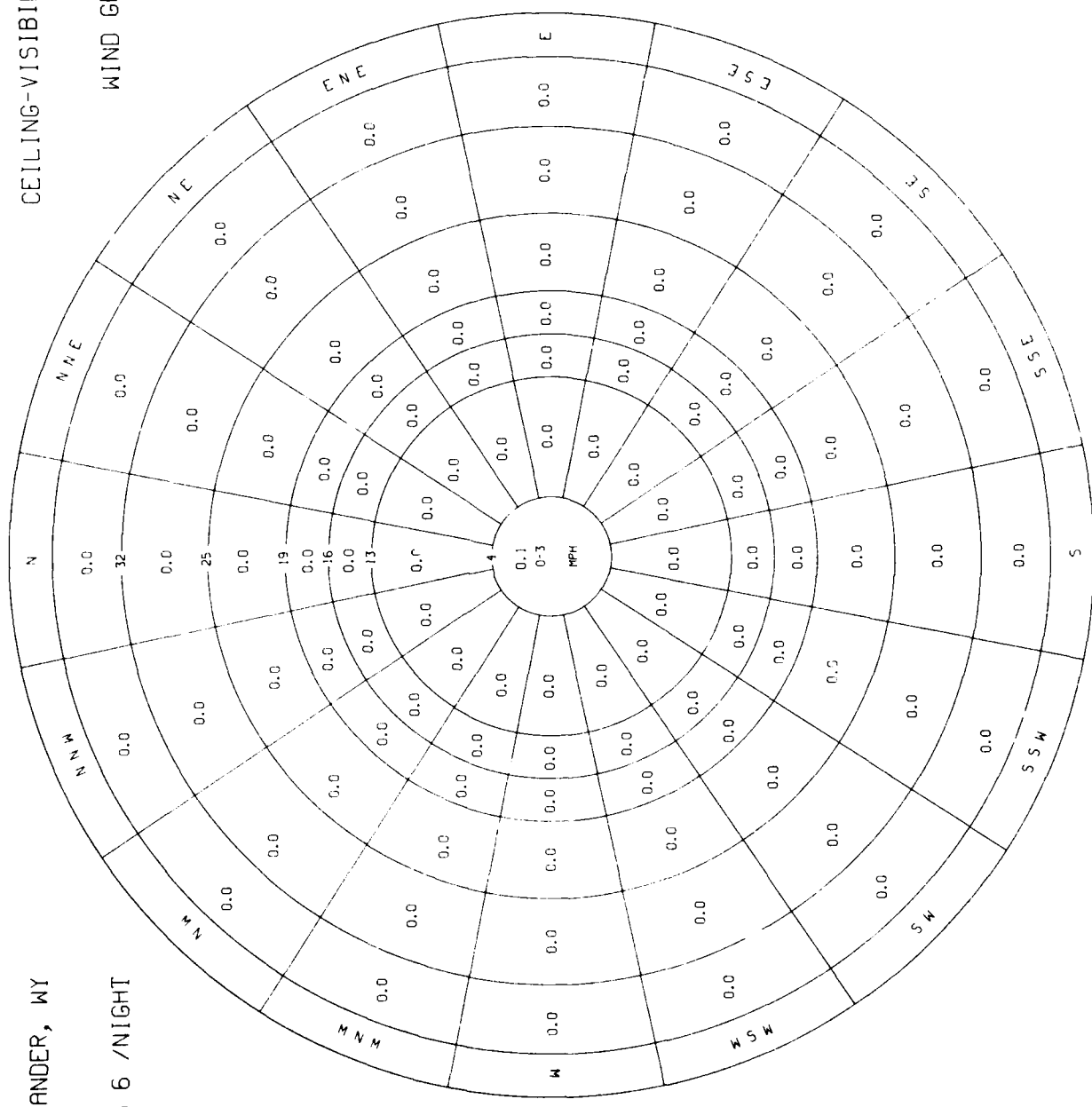
STATION NUMBER: 2402

NO. OBS.: 31

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B				
N	.0	.0	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	6.0
NNE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	3.2	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.5
ENE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	6.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SSE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.0	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0
SSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.0
WSW	.0	.0	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0
W	.0	.0	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.0
WNW	.0	.0	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.0
NW	.0	.0	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0
NNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.1	64.5													.1	64.5
TOTAL	.1	64.5	.0	32.3	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	100
																2.4

CEILING-VISIBILITY

WIND GRAPH



LND LANDER, WY

CLASS 6 /NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LND LANDER, WY

PERIOD: 1959-1978

CLASS 6 / NIGHT

STATION NUMBER: 24021

NO. OBS.: 51

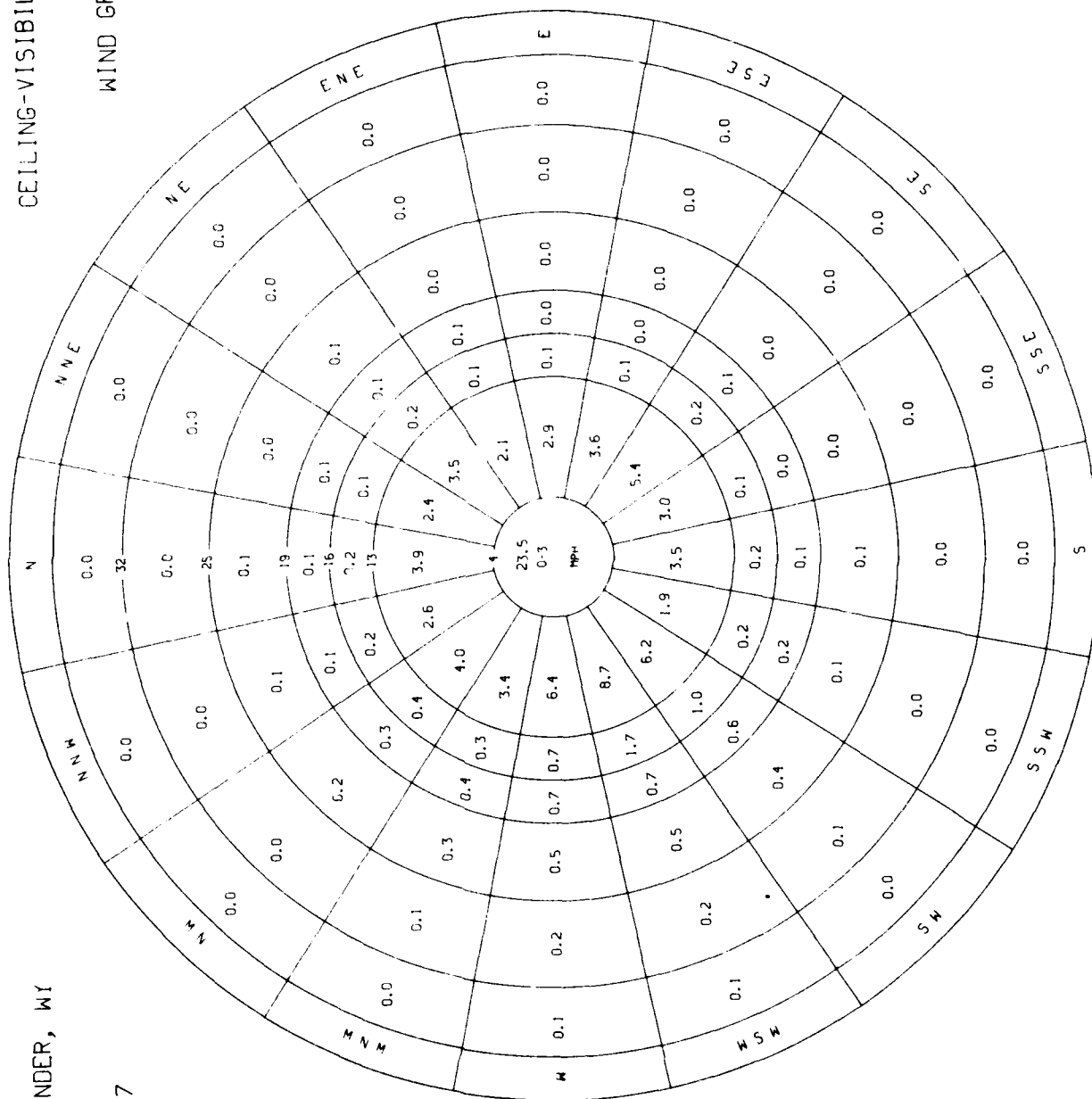
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		15-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	2.0	.0	3.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.9
NNE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0
ENE	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
ESE	.0	.0	.0	3.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9
SE	.0	.0	.0	3.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9
SSE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0
SSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	3.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9
WSW	.0	.0	.0	7.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.8
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
WNW	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0
NW	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0
NNW	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0
CALM	.1	62.7													.1 62.7
TOTAL	.1	66.7	.1	33.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 100

CEILING-VISIBILITY

WIND GRAPH

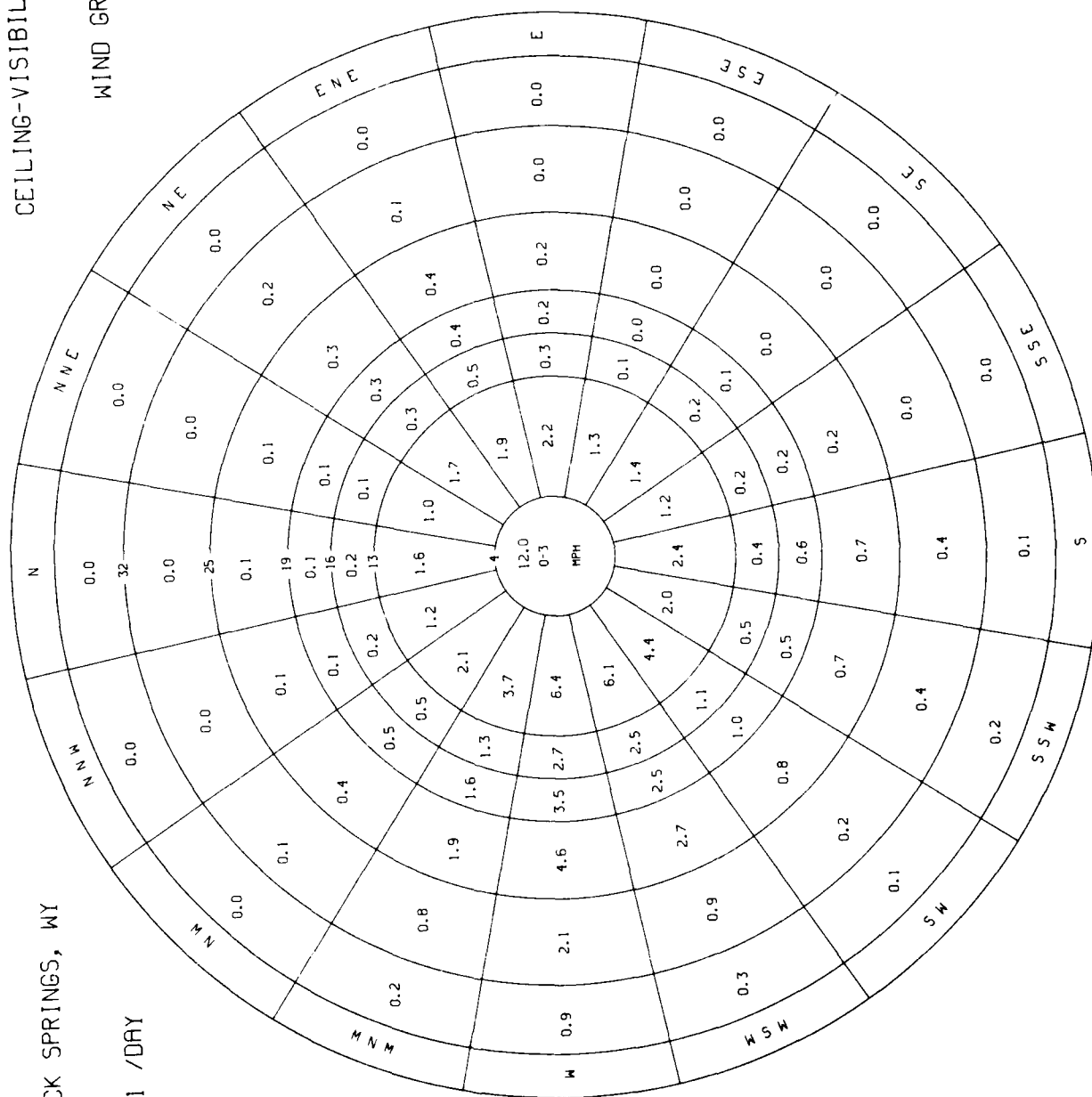
LND LANDER, WY

CLASS 7



CEILING-VISIBILITY

WIND GRAPH



RKS ROCK SPRINGS, WY

CLASS 1 /DAY

PRECEDING PAGE

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: RKS ROCK SPRINGS, WY

CLASS 1 / DAY

NO. OBS.: 49023

STATION NUMBER: 24027

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.3	.3	1.6	1.6	.2	.2	.1	.1	.1	.1	.0	.0	.0	.0	2.2 2.3 8.1
NNE	.2	.2	1.0	1.0	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	1.4 1.5 8.6
NNE	.3	.3	1.7	1.7	.3	.3	.3	.3	.3	.3	.2	.2	.0	.0	3.1 3.2 11.7
ENE	.2	.2	1.9	2.0	.5	.5	.4	.5	.4	.5	.1	.1	.0	.1	3.7 3.8 12.4
E	.2	.2	2.2	2.3	.3	.3	.2	.3	.2	.2	.0	.0	.0	.0	3.2 3.3 10.0
ESE	.1	.1	1.3	1.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.6 1.7 8.3
SE	.2	.2	1.4	1.5	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	1.9 2.0 9.0
SSE	.1	.1	1.2	1.3	.2	.3	.2	.2	.2	.2	.0	.1	.0	.0	2.0 2.1 11.0
S	.3	.3	2.4	2.5	.4	.5	.6	.6	.7	.8	.4	.4	.1	.1	5.0 5.2 13.5
SSW	.2	.2	2.0	2.1	.5	.5	.5	.6	.7	.7	.4	.4	.2	.2	4.5 4.7 14.7
SW	.3	.3	4.4	4.6	1.1	1.2	1.0	1.1	.8	.9	.2	.2	.1	.1	7.9 8.2 12.3
WSW	.3	.3	6.1	6.4	2.5	2.6	2.5	2.6	2.7	2.8	.9	.9	.3	.3	15.3 15.9 14.8
W	.3	.3	6.4	6.6	2.7	2.9	3.5	3.7	4.6	4.8	2.1	2.2	.9	.9	20.4 21.3 16.9
WNW	.2	.2	3.7	3.8	1.3	1.3	1.6	1.6	1.9	2.0	.8	.8	.2	.3	9.6 10.0 15.4
NW	.2	.2	2.1	2.2	.5	.5	.5	.5	.4	.4	.1	.1	.0	.0	3.8 3.9 11.8
NNW	.1	.1	1.2	1.2	.2	.2	.1	.2	.1	.1	.0	.0	.0	.0	1.8 1.9 10.1
CALM	8.6	9.0													8.6 9.0
TOTAL	12.0	12.5	40.6	42.3	11.2	11.6	11.8	12.3	13.3	13.9	5.3	5.5	1.9	2.0	96.1 100 12.6

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: RKS ROCK SPRINGS, WY

PERIOD: 1948-1978

CLASS 1 / NIGHT

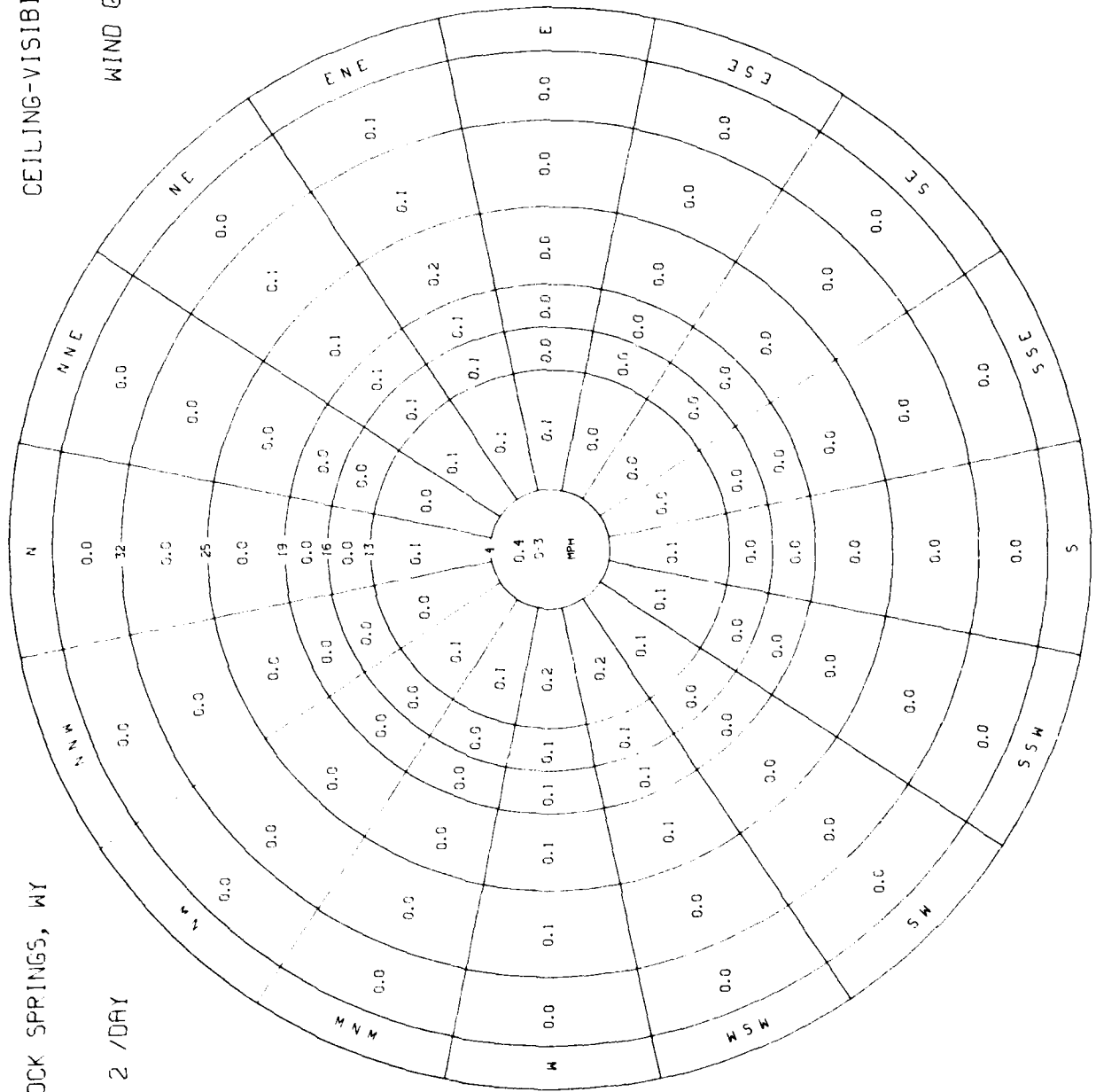
STATION NUMBER: 24027

NO. OBS.: 37837

U I R	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.2	.2	1.1	1.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.4	1.4	7.3
NNE	.1	.1	.7	.7	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.9	.9	8.2
NE	.2	.2	1.6	1.7	.3	.3	.3	.3	.3	.3	.1	.1	.0	.0	2.8	2.9	11.3
ENE	.1	.2	2.4	2.5	.7	.8	.5	.6	.5	.5	.1	.1	.0	.0	4.5	4.7	12.4
E	.2	.2	3.1	3.2	.5	.6	.2	.3	.1	.1	.0	.0	.0	.0	4.2	4.4	9.8
ESE	.2	.2	1.7	1.8	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	2.1	2.2	8.0
SE	.2	.2	2.6	2.8	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	3.2	3.3	8.3
SSE	.2	.2	2.5	2.6	.4	.4	.2	.2	.1	.1	.0	.0	.0	.0	3.4	3.6	9.8
S	.4	.4	4.8	5.0	.5	.6	.3	.4	.3	.3	.1	.1	.0	.0	6.4	6.7	9.3
SSW	.2	.3	3.9	4.1	.6	.6	.4	.5	.3	.3	.1	.1	.1	.1	5.7	6.0	10.7
SW	.3	.3	7.8	8.1	1.8	1.9	1.0	1.1	.6	.6	.1	.1	.0	.0	11.7	12.2	10.9
WSW	.3	.3	8.4	8.8	2.7	2.8	2.4	2.5	2.2	2.3	.8	.9	.2	.2	17.1	17.9	13.5
W	.3	.3	6.5	6.8	1.9	2.0	2.2	2.3	2.5	2.6	1.0	1.1	.4	.4	14.7	15.4	14.6
WNW	.2	.2	2.5	2.6	.6	.6	.6	.6	.5	.5	.2	.2	.0	.0	4.5	4.7	12.4
NW	.2	.2	1.5	1.6	.2	.2	.1	.1	.1	.1	.0	.0	.0	.0	2.1	2.2	9.2
NNW	.1	.1	.8	.9	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	1.1	1.2	8.5
CALM	10.0	10.4													10.0	10.4	
TOTAL	13.4	14.0	51.8	54.2	10.7	11.2	8.7	9.1	7.5	7.9	2.6	2.7	.9	.9	95.6	100	10.5

RKS ROCK SPRINGS, WY

CLASS 2 / DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: RKS ROCK SPRINGS, WY

CLASS 2 / DAY

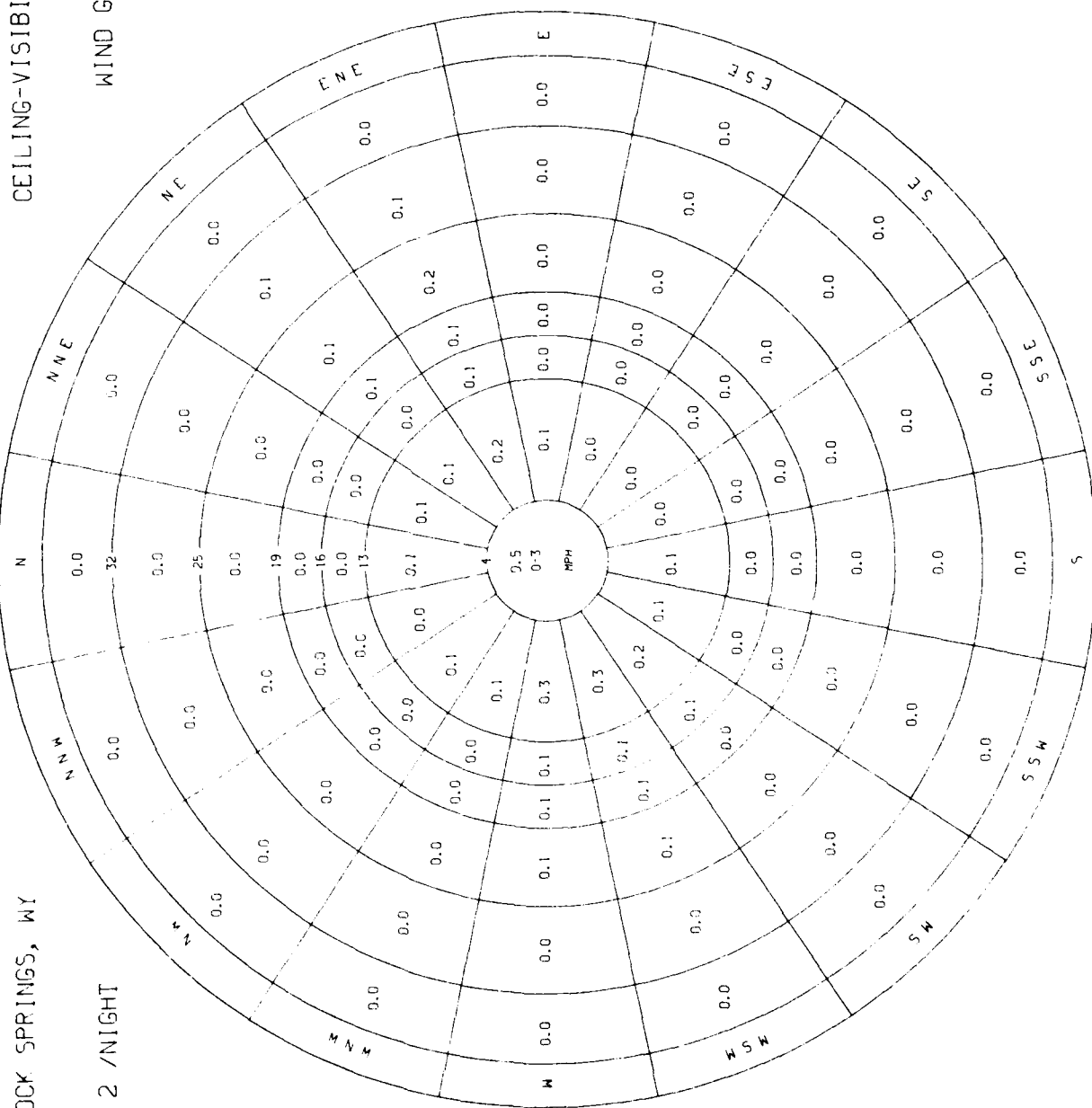
NO. OBS.: 1963

STATION NUMBER: 24027

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.1	.1	1.5	.0	.2	.0	.3	.0	.4	.0	.0	.0	.0	.1 2.3
NNE	.0	.1	.0	1.2	.0	.3	.0	.2	.0	.3	.0	.4	.0	.1	.1 2.3
NE	.0	.2	.1	2.9	.1	1.6	.1	1.7	.1	1.9	.1	1.7	.0	1.1	.4 11.1
ENE	.0	.0	.1	3.8	.1	1.7	.1	2.6	.2	4.2	.1	2.1	.1	1.3	.6 15.7
E	.0	.1	.1	2.3	.0	.9	.0	.7	.0	.7	.0	.2	.0	.2	.2 5.0
ESE	.0	.1	.0	1.1	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.1 1.4
SE	.0	.2	.0	1.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 1.4
SSE	.0	.1	.0	.5	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0 .7
S	.0	.2	.1	2.0	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.1 2.5
SSW	.0	.1	.1	2.0	.0	.2	.0	.3	.0	.1	.0	.1	.0	.0	.1 2.8
SW	.0	.4	.1	3.4	.0	1.2	.0	1.0	.0	.4	.0	.1	.0	.0	.2 6.3
WSW	.0	.2	.2	5.3	.1	2.1	.1	2.9	.1	2.3	.0	1.0	.0	.5	.5 14.3
W	.0	.4	.2	5.3	.1	2.1	.1	2.1	.1	3.1	.1	1.7	.0	.8	.6 15.4
WNW	.0	.2	.1	3.0	.0	.7	.0	.9	.0	1.2	.0	.1	.0	.1	.2 6.2
NW	.0	.2	.1	1.9	.0	.5	.0	.2	.0	.1	.0	.1	.0	.2	.1 3.2
NNW	.0	.2	.0	1.3	.0	.2	.0	.1	.0	.1	.0	.1	.0	.0	.1 1.8
CALM	.3	7.5													.3 7.5
TOTAL	.4	9.9	1.5	38.6	.5	12.1	.5	12.9	.6	14.9	.3	7.4	.2	4.1	3.9 100

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: RKS ROCK SPRINGS, WY

PERIOD: 1948-1978

CLASS 2 / NIGHT

STATION NUMBER: 24027

NO. OBS.: 1744

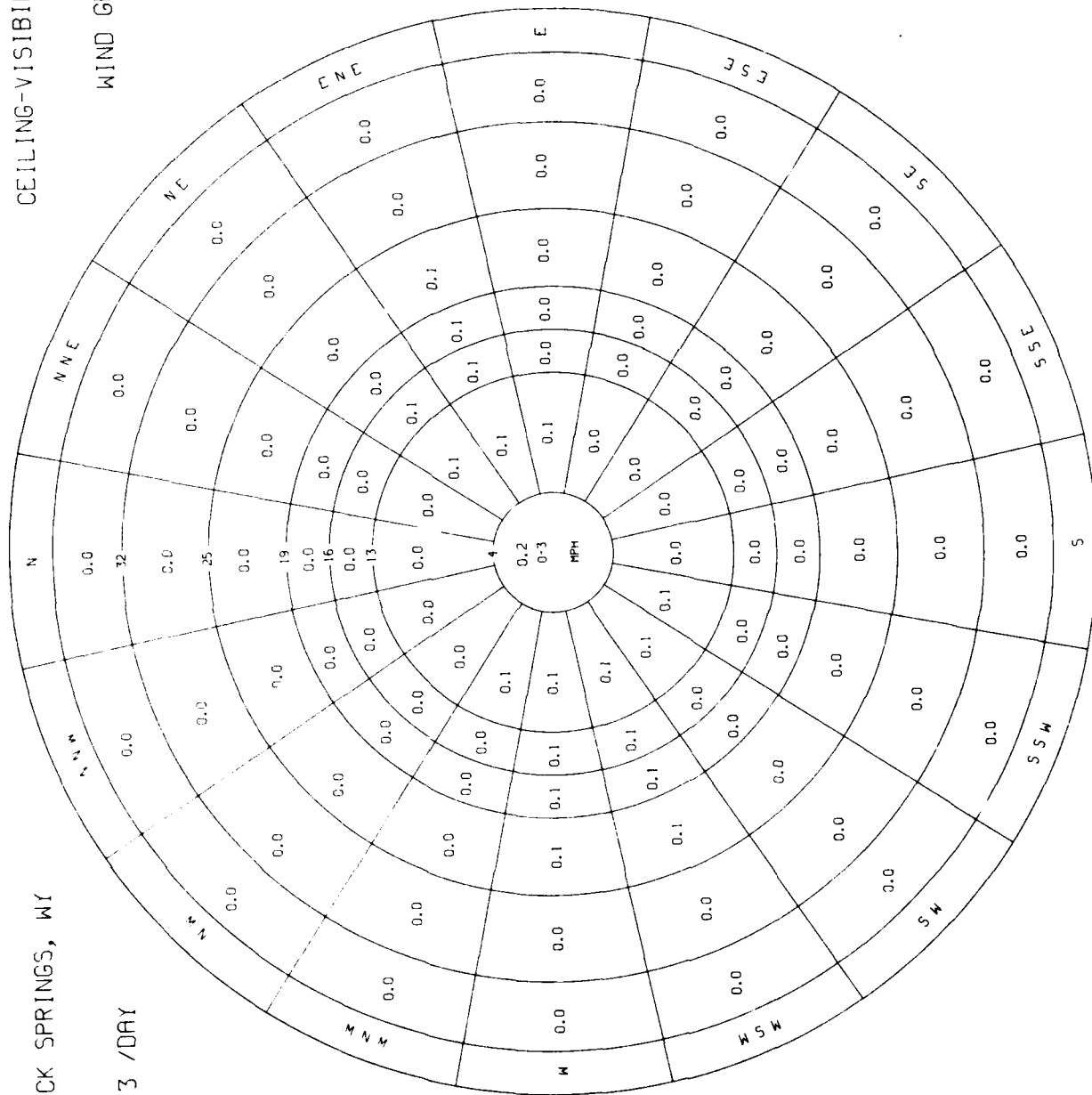
D I P	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.2	.1	1.4	.0	.1	.0	.2	.0	.1	.0	.0	.0	.0	.1 1.9
NNE	.0	.3	.1	1.5	.0	.4	.0	.5	.0	.2	.0	.2	.0	.2	.1 3.2
NE	.0	.2	.1	3.2	.0	.7	.1	1.8	.1	1.6	.1	2.0	.0	1.0	.5 10.5
ENE	.0	.1	.2	3.5	.1	1.9	.1	3.0	.2	3.4	.1	1.9	.0	1.0	.7 14.9
E	.0	.2	.1	2.2	.0	1.0	.0	.9	.0	.6	.0	.1	.0	.2	.2 5.3
ESE	.0	.1	.0	.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0 .9
SE	.0	.1	.0	1.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0 1.1
SSE	.0	.2	.0	.5	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0 .9
S	.0	.2	.1	2.4	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.1 2.8
SSW	.0	.2	.1	1.9	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.1 2.5
SW	.0	.5	.2	5.4	.1	1.7	.0	.5	.0	.6	.0	.1	.0	.0	.4 8.8
WSW	.0	.4	.3	6.9	.1	2.2	.1	.1	.1	2.5	.0	.9	.0	.6	.7 15.5
W	.0	.2	.3	5.7	.1	2.3	.1	.2	.1	2.2	.0	1.1	.0	.4	.6 14.2
WNW	.0	.1	.1	2.9	.0	.3	.0	.3	.0	.7	.0	.1	.0	.1	.2 4.5
NW	.0	.3	.1	1.5	.0	.3	.0	.4	.0	.2	.0	.1	.0	.0	.1 2.9
NNW	.0	.1	.0	1.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.1 1.2
CALM	.4	9.1													.4 9.1
TOTAL	.5	12.4	1.8	41.7	.5	11.4	.5	12.2	.5	12.4	.3	6.4	.2	3.4	4.4 100

CEILING-VISIBILITY

WIND GRAPH

RKS ROCK SPRINGS, WY

CLASS 3 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: FWS REC SPRINGS, W

CLASS 3 / CA

NO. OBS.: 1342

STATION NUMBER: 24027

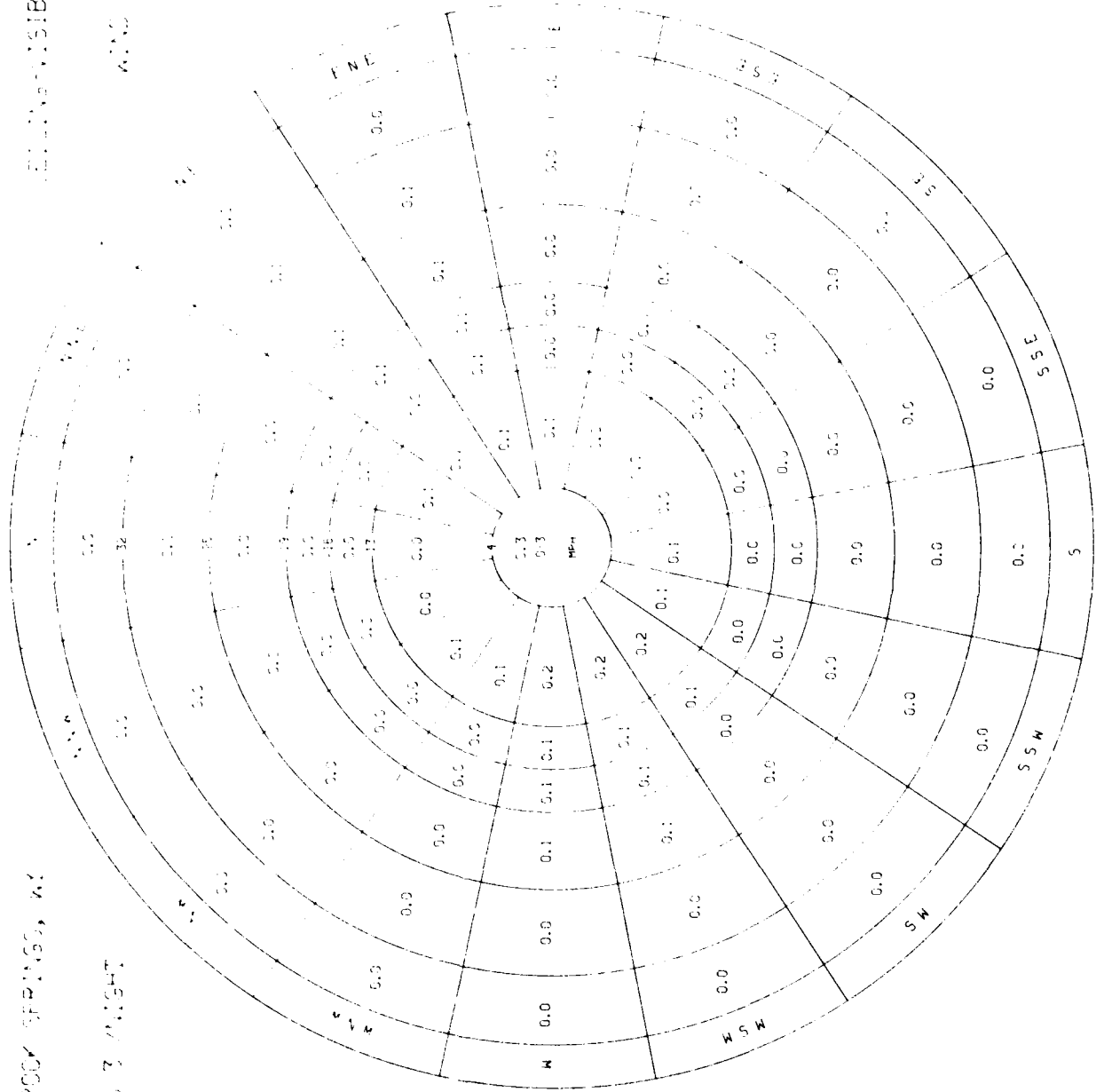
D I R	SPEED GROUPS (MPH)																AVS WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.1	.0	1.3	.0	.1	.0	.4	.0	.3	.0	.0	.0	.0	.1	2.2	11.4
NNE	.0	.1	.0	1.0	.0	.3	.0	.1	.0	.4	.0	.4	.0	.1	.1	2.2	15.6
NE	.0	.1	.1	2.9	.1	1.3	.0	1.7	.0	.5	.0	1.2	.0	.5	.3	9.9	16.7
ENE	.0	.0	.1	4.3	.1	2.2	.1	2.9	.1	4.4	.0	1.7	.0	1.2	.4	16.7	16.3
E	.0	.1	.1	2.4	.0	1.1	.0	.9	.0	.7	.0	.1	.0	.0	.1	5.3	13.5
ESE	.0	.0	.0	1.2	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	1.6	9.6
SE	.0	.1	.0	1.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	7.8
SSE	.0	.1	.0	.2	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.5	9.0
S	.0	.0	.0	1.9	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.1	2.3	9.3
SSW	.0	.1	.1	2.2	.0	.2	.0	.2	.0	.1	.0	.1	.0	.0	.1	3.1	9.9
SW	.0	.1	.1	3.3	.0	1.4	.0	1.1	.0	.4	.0	.1	.0	.0	.2	6.4	12.3
WSW	.0	.1	.1	5.6	.1	2.5	.1	3.4	.1	2.8	.0	1.1	.0	.3	.4	15.7	15.5
W	.0	.4	.1	5.5	.1	2.5	.1	2.6	.1	2.4	.0	1.7	.0	.5	.4	16.7	16.3
WNW	.0	.2	.1	2.5	.0	.7	.0	.9	.0	.1	.0	.1	.0	.1	.2	5.7	14.3
NW	.0	.2	.0	1.4	.0	.6	.0	.1	.0	.1	.0	.1	.0	.1	.1	2.7	11.2
NNW	.0	.1	.0	1.1	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.0	1.5	9.6
CA	.2	5.0													.2	6.0	
TOTAL	.2	8.0	1.0	38.1	.4	14.4	.4	14.5	.4	15.6	.2	6.6	.1	2.9	2.6	10.0	14.1

RMS ROCK SPRINGS, WY

CLASS 3 NIGHT

RELATIVE VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: RKS ROCK SPRINGS, WY

PERIOD: 1948-1978

CLASS 3 / NIGHT

STATION NUMBER: 24027

NO. OBS.: 1268

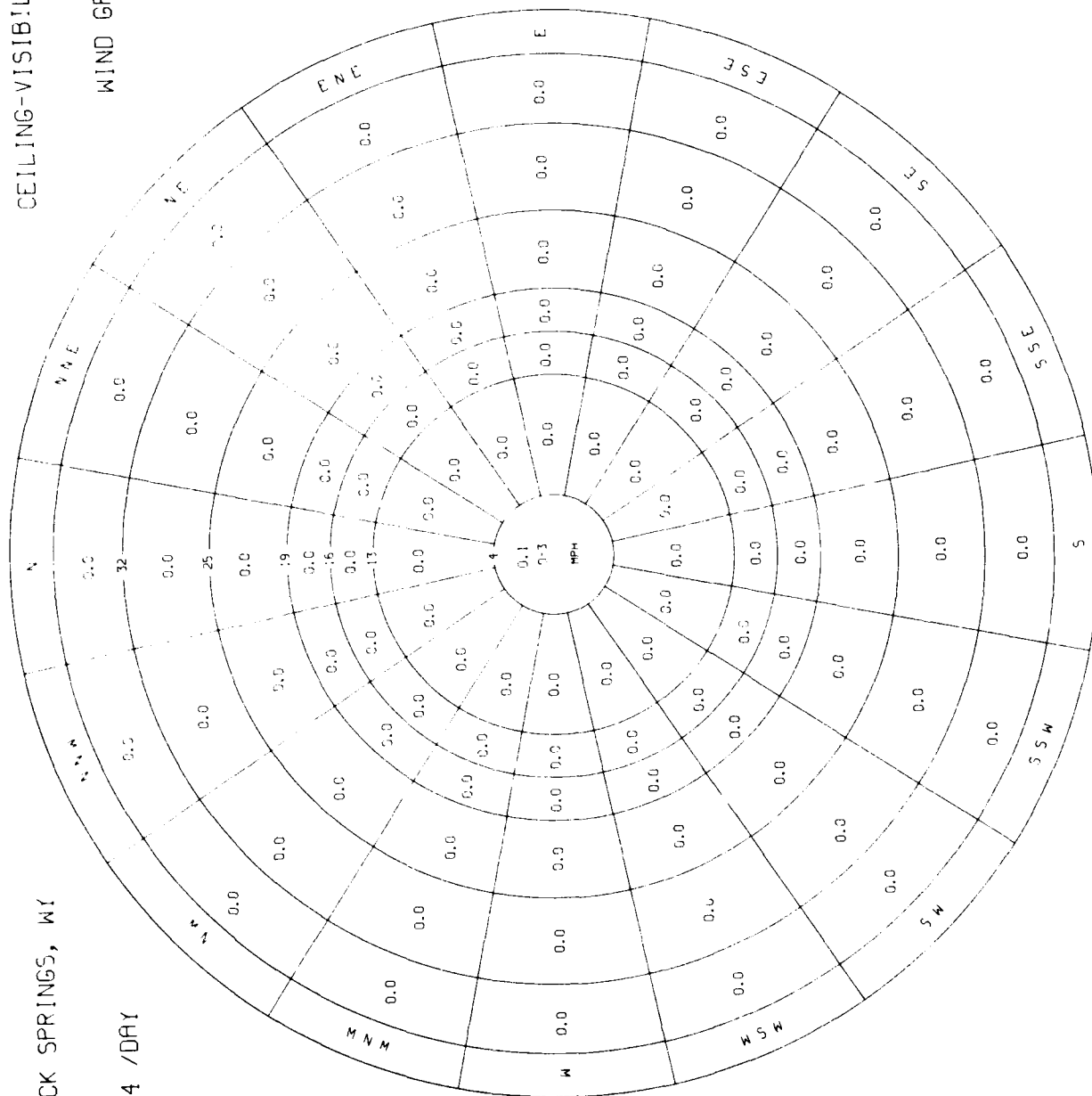
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C	D
N	.0	.1	.0	1.4	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.1	1.7	8.6
NNE	.0	.1	.1	1.7	.0	.3	.0	.5	.0	.2	.0	.2	.0	.1	.0	.1	3.0	12.4
NE	.0	.2	.1	3.2	.0	.9	.1	1.8	.1	1.7	.1	1.9	.0	.6	.0	.3	10.2	17.9
ENE	.0	.2	.1	3.6	.1	2.4	.1	3.6	.1	3.6	.1	1.7	.0	.8	.0	.5	15.9	17.8
E	.0	.2	.1	2.4	.0	1.1	.0	.7	.0	.8	.0	.0	.0	.1	.0	.2	5.2	13.6
ESE	.0	.0	.0	.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	8.2
SE	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	6.8
SSE	.0	.1	.0	.6	.0	.1	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.9	10.0
S	.0	.0	.1	2.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.7	8.1
SSW	.0	.2	.1	1.9	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	2.4	8.8
SW	.0	.4	.2	5.8	.1	2.1	.0	.7	.0	.8	.0	.1	.0	.0	.0	.3	9.8	11.3
WSW	.0	.4	.2	6.7	.1	2.7	.1	2.5	.1	2.8	.0	.9	.0	.7	.0	.5	16.6	14.9
W	.0	.2	.2	6.2	.1	2.3	.1	2.5	.1	2.6	.0	1.2	.0	.3	.0	.5	15.2	15.1
WNW	.0	.1	.1	3.2	.0	.4	.0	.5	.0	.9	.0	.0	.0	.1	.0	.2	5.0	12.4
NW	.0	.4	.1	1.6	.0	.2	.0	.3	.0	.2	.0	.1	.0	.0	.0	.1	2.8	10.1
NNW	.0	.2	.0	.8	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	1.0	8.9
CALM	.2	5.8														.2	5.8	
TOTAL	3	8.4	1.4	43.1	.4	12.9	.4	13.2	.4	13.8	.2	6.0	.1	2.6	.3	3	100	13.4

CEILING-VISIBILITY

WIND GRAPH

RKS ROCK SPRINGS, WY

CLASS 4 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: RKS ROCK SPRINGS, WY

PERIOD: 1948-1978

CLASS 4 / DAY

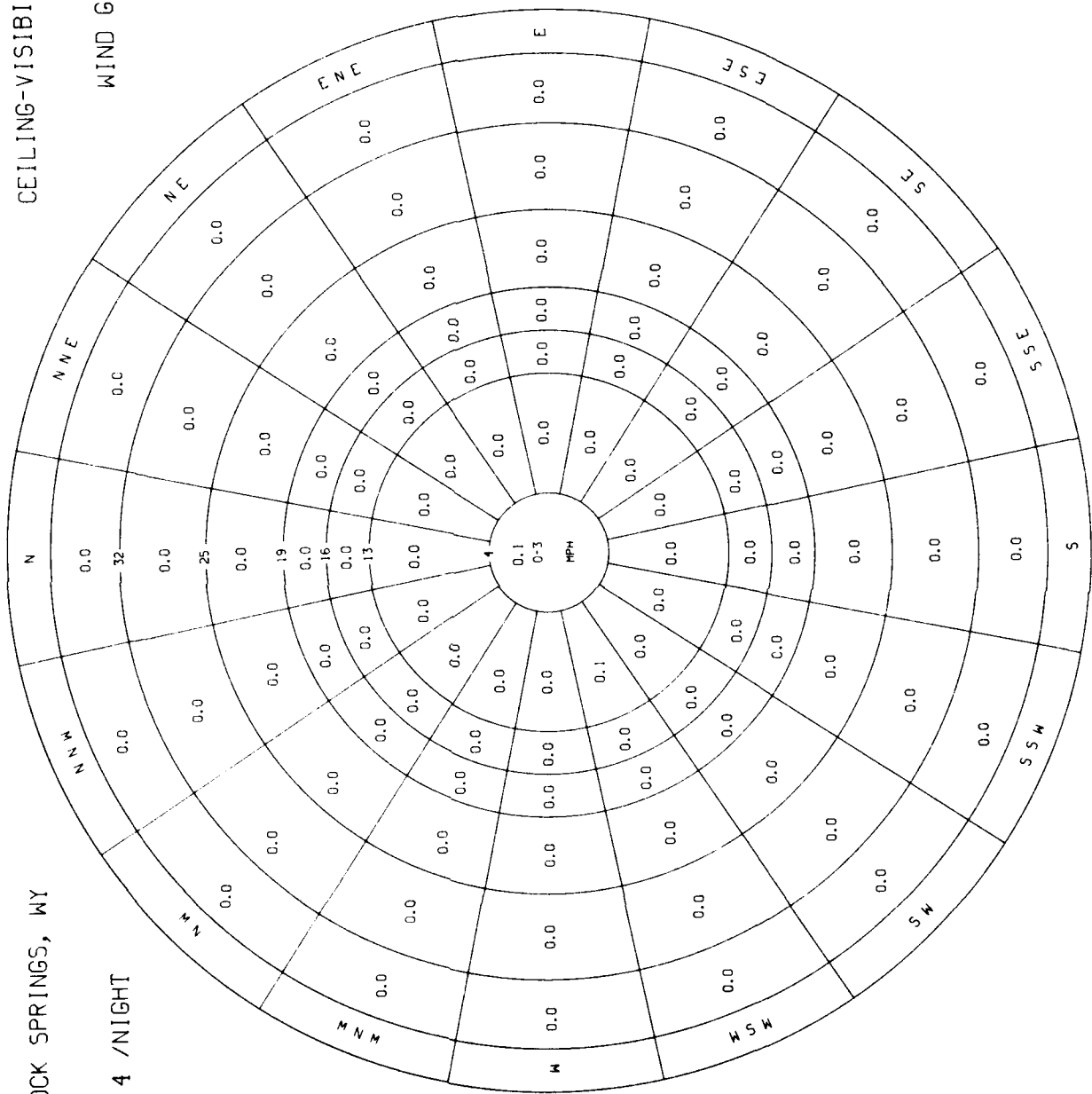
STATION NUMBER: 24027

NO. OBS.: 391

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.0	.0	.0	2.3	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	2.8	10.7
NNE	.0	.0	.0	1.8	.0	.3	.0	.5	.0	.3	.0	.0	.0	.0	.0	2.8	10.5
NE	.0	.3	.0	3.1	.0	1.3	.0	2.6	.0	2.8	.0	2.3	.0	1.0	.1	13.3	19.6
ENE	.0	.0	.0	3.1	.0	1.0	.0	2.0	.0	3.8	.0	3.8	.0	1.5	.1	15.3	20.7
E	.0	.0	.0	1.8	.0	.8	.0	.3	.0	.8	.0	.3	.0	.0	.0	3.8	14.1
ESE	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	8.5
SE	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	8.0
SSE	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	8.7
S	.0	.8	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.1	7.0
SSW	.0	.0	.0	1.8	.0	.0	.0	.8	.0	.3	.0	.0	.0	.0	.0	2.8	12.8
SW	.0	.3	.0	4.1	.0	.8	.0	1.0	.0	.5	.0	.3	.0	.0	.1	6.9	12.0
WSW	.0	.0	.0	5.6	.0	1.8	.0	2.0	.0	1.8	.0	1.3	.0	.5	.1	13.0	15.2
W	.0	.0	.0	4.1	.0	1.5	.0	1.5	.0	2.8	.0	1.3	.0	.5	.1	11.8	16.8
WNW	.0	.0	.0	4.1	.0	.8	.0	1.5	.0	1.3	.0	.3	.0	.0	.1	7.9	13.7
NW	.0	.3	.0	2.0	.0	.3	.0	.0	.0	.3	.0	.0	.0	.3	.0	3.1	11.7
NNW	.0	.0	.0	1.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	9.8
CALM	.1	7.7													.1	7.7	
TOTAL	.1	9.2	.3	41.4	.1	8.7	.1	12.3	.1	15.1	.1	9.5	.0	3.8	.8	100	14.2

RKS ROCK SPRINGS, WY

CLASS 4 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: RKS ROCK SPRINGS, WY

PERIOD: 1948-1978

CLASS 4 / NIGHT

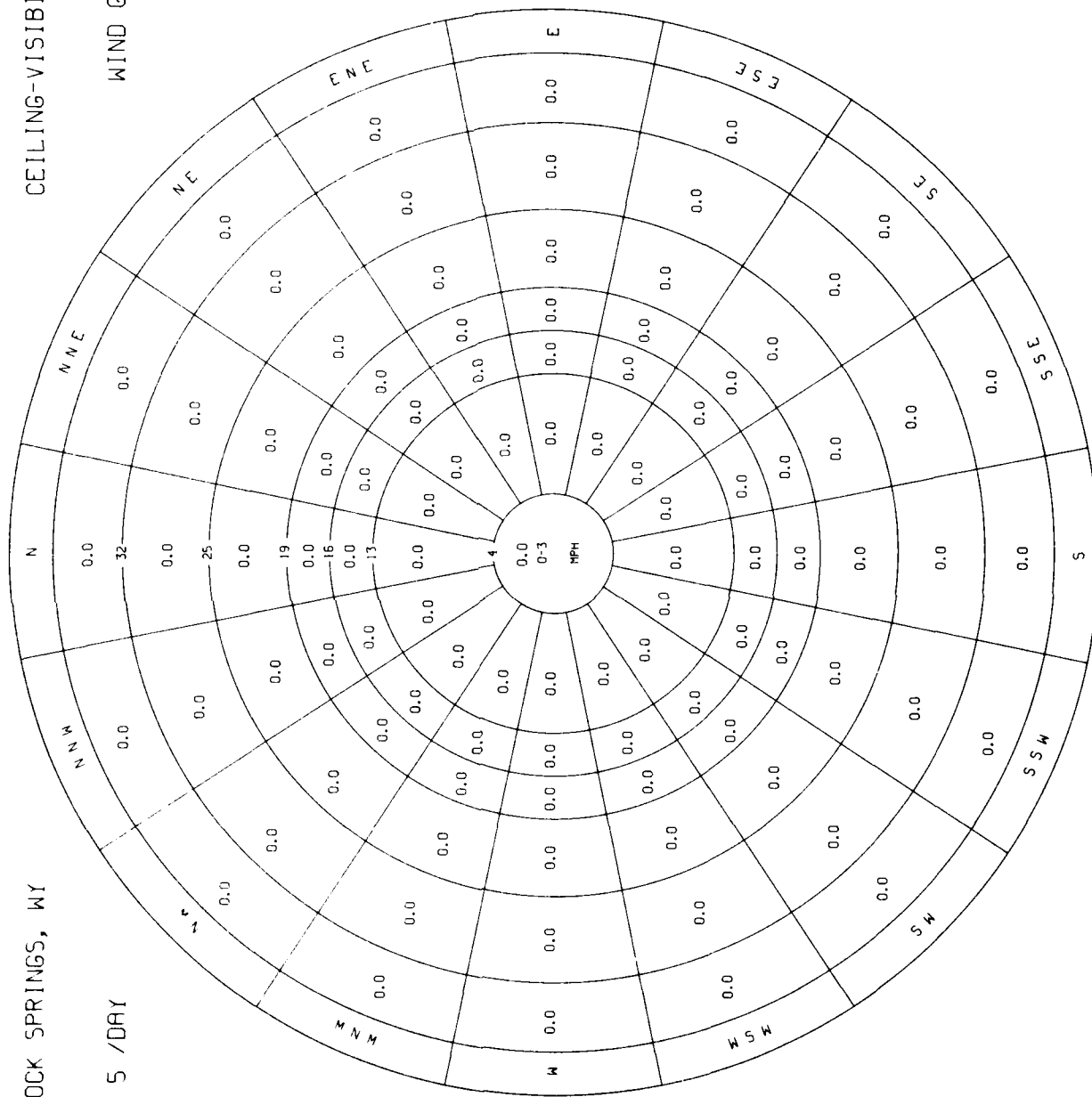
STATION NUMBER: 24027

NO. OBS.: 281

D I R	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.4	.0	1.4	.0	.0	.0	.4	.0	.4	.0	.0	.0	.0	.0	2.5	10.1
NNE	.0	1.1	.0	.7	.0	.7	.0	.4	.0	.0	.0	.0	.0	.0	.0	2.8	8.3
NE	.0	.0	.0	2.5	.0	.4	.0	2.8	.0	2.1	.0	1.8	.0	.7	.1	10.3	18.9
ENE	.0	.0	.0	3.6	.0	.7	.0	1.8	.0	4.3	.0	1.8	.0	.7	.1	12.8	18.8
E	.0	.4	.0	1.4	.0	1.1	.0	1.8	.0	.4	.0	.4	.0	.4	.0	5.7	15.4
ESE	.0	.4	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	6.5
SE	.0	.0	.0	.4	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.7	13.5
SSE	.0	.7	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	6.0
S	.0	.7	.0	2.1	.0	.0	.0	.4	.0	.4	.0	.0	.0	.0	.0	3.6	9.2
SSW	.0	.4	.0	2.5	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	7.4
SW	.0	.0	.0	5.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.0	9.3
WSW	.0	.4	.1	7.5	.0	1.4	.0	2.1	.0	1.8	.0	1.1	.0	.4	.1	14.6	13.6
W	.0	.4	.0	3.9	.0	3.2	.0	1.4	.0	2.1	.0	1.1	.0	.7	.1	12.8	16.1
WNW	.0	.0	.0	1.8	.0	.0	.0	.0	.0	.4	.0	.7	.0	.4	.0	3.2	16.4
NW	.0	.0	.0	2.1	.0	.7	.0	1.1	.0	.7	.0	.0	.0	.0	.0	4.6	12.9
NNW	.0	.0	.0	1.1	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	1.4	9.5
CALM	.1	12.8													.1	12.8	
TOTAL	.1	17.4	.3	37.7	.1	9.6	.1	12.5	.1	12.8	.0	6.8	.0	3.2	.7	100	12.4

RKS ROCK SPRINGS, WY
 CLASS 5 /DAY

CEILING-VISIBILITY
 WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: RKS ROCK SPRINGS, WY

CLASS 5 / DAY

NO. OBS.: 108

STATION NUMBER: 24027

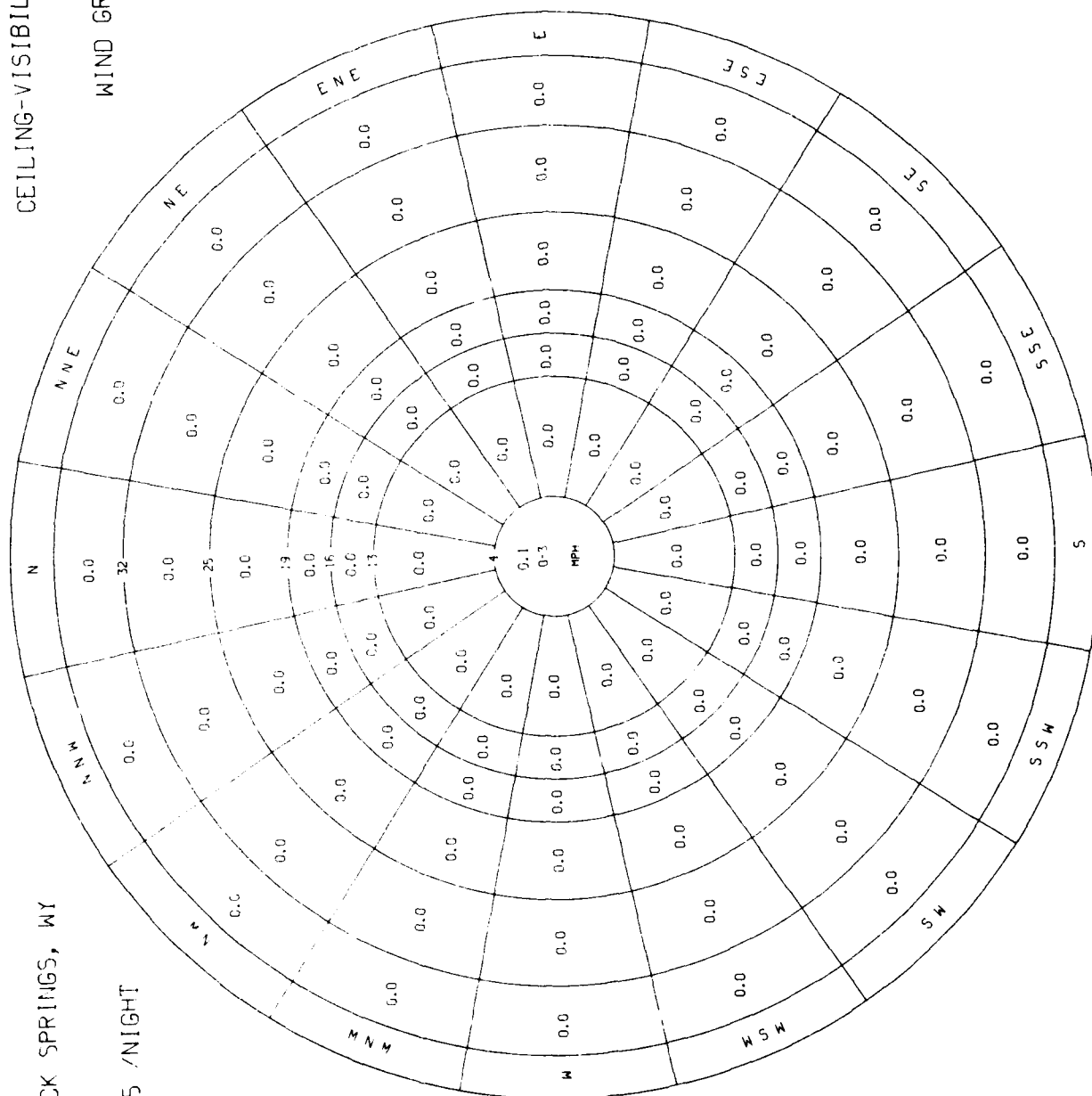
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.9	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8
NNE	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9
NNE	.0	.0	.0	4.6	.0	.0	.0	.0	.0	2.8	.0	1.9	.0	2.8	12.0
ENE	.0	.0	.0	.9	.0	.9	.0	3.7	.0	5.6	.0	1.9	.0	.0	13.0
E	.0	.0	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.9	.0	.0	3.7
ESE	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9
SE	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9
SSE	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9
S	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9
SSW	.0	.0	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6
SW	.0	1.9	.0	.9	.0	.9	.0	2.8	.0	.9	.0	.0	.0	.0	7.4
WSW	.0	.9	.0	1.9	.0	.9	.0	.0	.0	1.9	.0	2.8	.0	.0	15.7
W	.0	.9	.0	9.3	.0	.9	.0	.0	.0	.9	.0	.0	.0	.0	6.5
WNW	.0	.0	.0	3.7	.0	.9	.0	.0	.0	1.9	.0	.0	.0	.0	10.2
NW	.0	.0	.0	7.4	.0	.0	.0	1.9	.0	.0	.0	.9	.0	.0	3.7
NNW	.0	.9	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.9	.0	.0	11.1
CALM	.0	11.1													
TOTAL	.0	17.6	.1	45.4	.0	3.7	.0	8.3	.0	13.0	.0	9.3	.0	2.8	12.3

CEILING-VISIBILITY

WIND GRAPH

RKS ROCK SPRINGS, WY

CLASS 5 / NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: RKS ROCK SPRINGS, WY

CLASS 5 / NIGHT

NO. OBS.: 95

STATION NUMBER: 24027

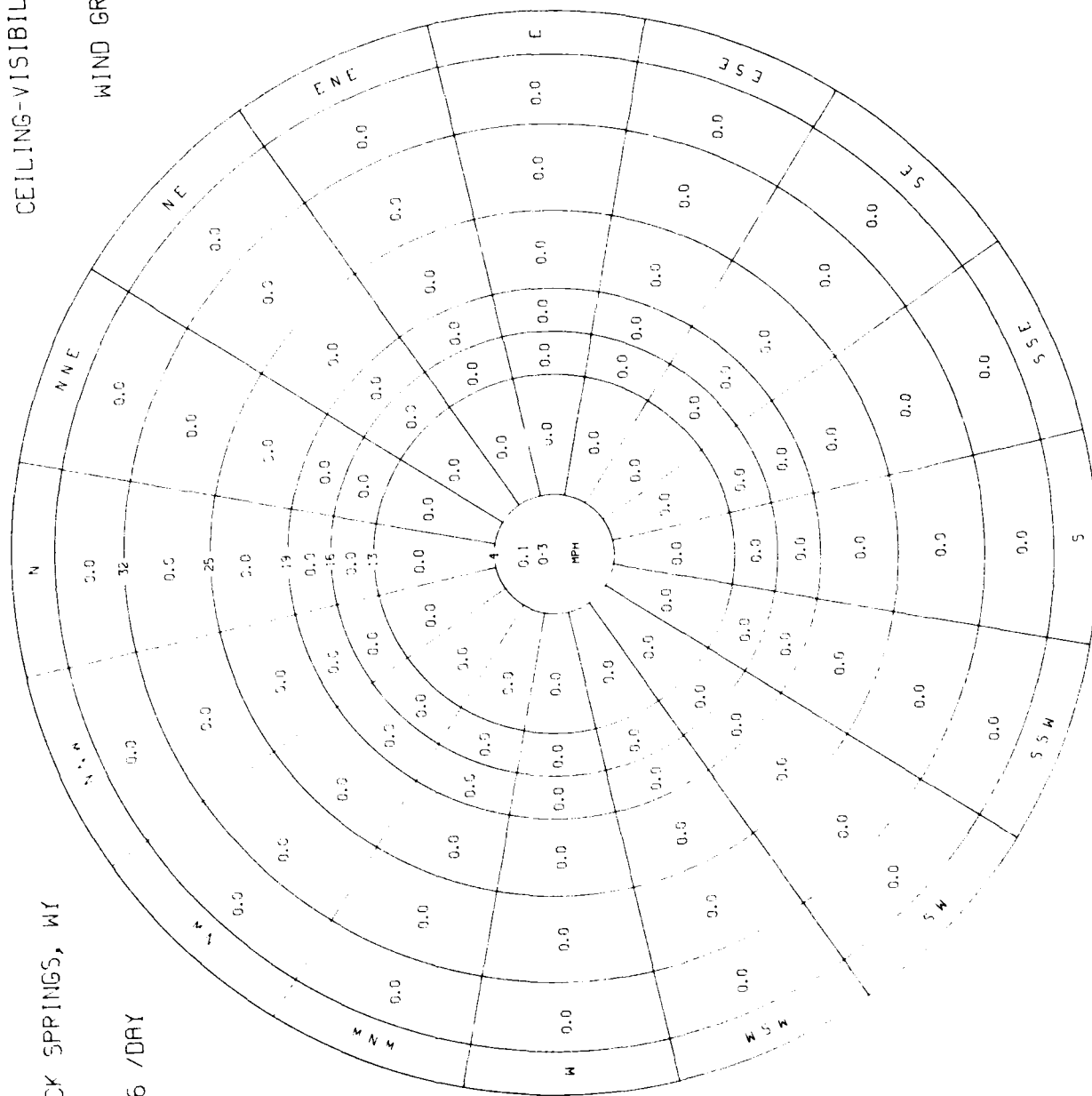
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	C	D			
N	.0	2.1	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.3	4.2
NNE	.0	.0	.0	1.1	.0	1.1	.0	1.1	.0	.0	.0	1.1	.0	2.1	.0	6.3	25.7
NE	.0	.0	.0	4.2	.0	.0	.0	1.1	.0	1.1	.0	3.2	.0	3.2	.0	12.6	23.1
ENE	.0	.0	.0	4.2	.0	.0	.0	1.1	.0	.0	.0	5.3	.0	1.1	.0	11.6	20.7
E	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	1.1	.0	.0	.0	2.1	19.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	5.5
SSE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	6.5
SSW	.0	.0	.0	1.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	11.0
SW	.0	1.1	.0	3.2	.0	.0	.0	.0	.0	1.1	.0	.0	.0	.0	.0	5.3	9.8
WSW	.0	1.1	.0	6.3	.0	.0	.0	.0	.0	1.1	.0	1.1	.0	1.1	.0	10.5	14.2
W	.0	1.1	.0	5.3	.0	2.1	.0	4.2	.0	.0	.0	1.1	.0	.0	.0	13.7	12.7
WNW	.0	.0	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	7.0
NW	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	5.0
NNW	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	8.5
CALM	.0	20.0													.0	20.0	
TOTAL	.1	25.3	.1	40.0	.0	4.2	.0	7.4	.0	3.2	.0	12.6	.0	7.4	.2	100	12.2

CEILING-VISIBILITY

WIND GRAPH

RKS ROCK SPRINGS, WY

CLASS 6 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: RKS ROCK SPRINGS, WY

CLASS 6 / DAY

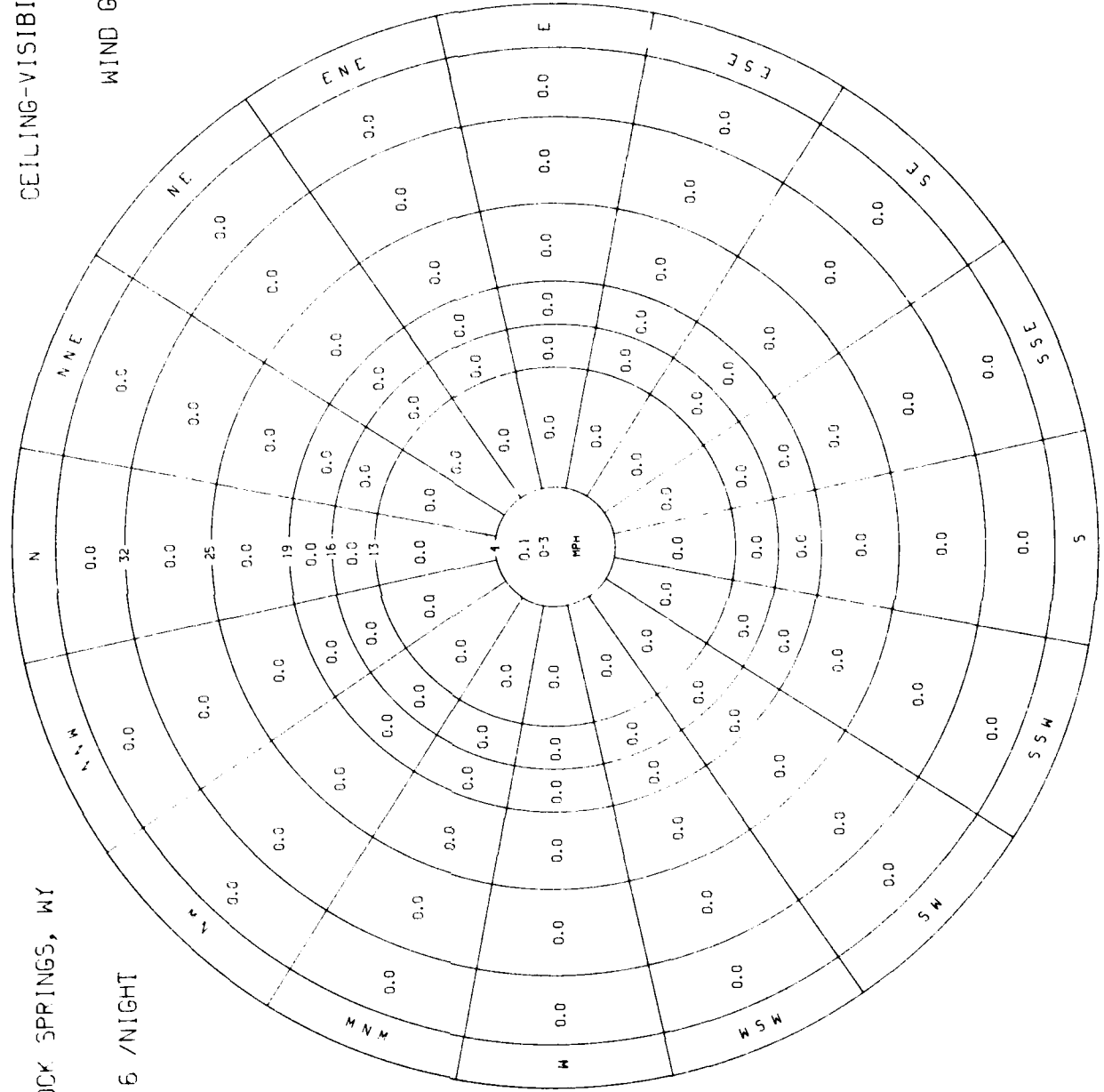
NO. OBS.: 122

STATION NUMBER: 24027

D I R	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	.0	.0	1.6	.0	.0	.0	.8	.0	.0	.0	.0	.0	2.5	16.7
NNE	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	1.6	.0	.0	.0	2.5	20.3
NE	.0	.8	.0	.8	.0	.0	.0	.0	.0	3.3	.0	4.9	.0	5.7	.0	15.6	27.7
ENE	.0	.0	.0	2.5	.0	.0	.0	.0	.0	2.5	.0	.8	.0	3.3	.0	9.0	24.6
E	.0	.8	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	.0	7.4	18.2
ESE	.0	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	4.0
SE	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	6.0
SSE	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	5.0
S	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.8	18.0
SSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	1.6	.0	2.5	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.9	6.8
WSW	.0	.8	.0	4.1	.0	.0	.0	.8	.0	.0	.0	.0	.0	2.5	.0	8.2	16.8
W	.0	.8	.0	3.3	.0	.8	.0	.0	.0	1.6	.0	1.6	.0	4.9	.0	13.1	23.6
WNW	.0	.0	.0	4.1	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0	.0	4.9	10.0
NW	.0	.0	.0	1.6	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	8.0
NNW	.0	.8	.0	2.5	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.1	7.2
CALM	.0	20.5													.0	20.5	
TOTAL	.1	27.0	.1	28.7	.0	4.9	.0	1.6	.0	9.0	.0	9.0	.0	19.7	.2	100	14.9

RKS ROCK SPRINGS, WY

CLASS 6 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: RKS ROCK SPRINGS, WY

CLASS 6 / NIGHT

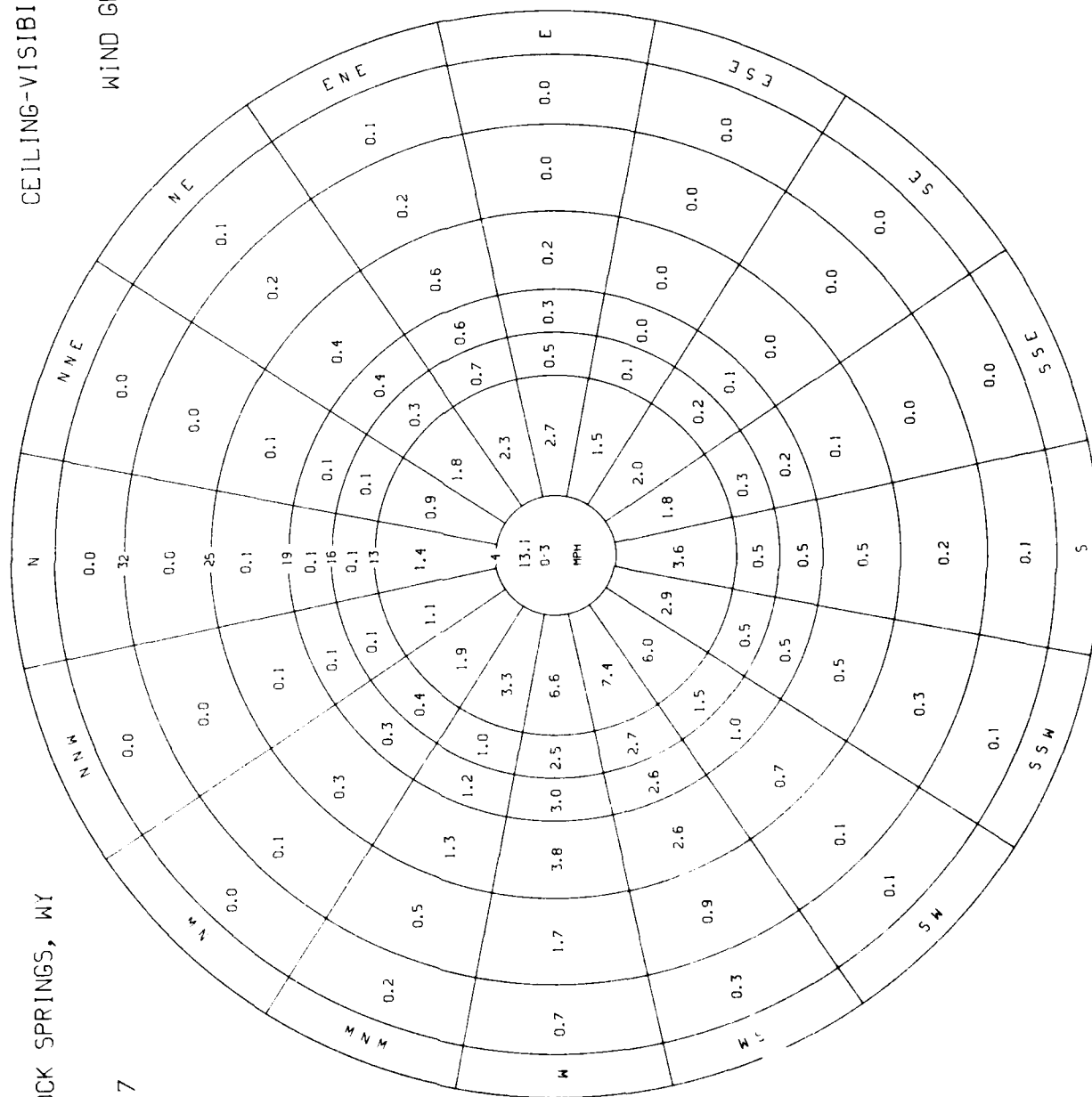
NO. OBS.: 100

STATION NUMBER: 24027

D I R	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	15.0
NNE	.0	1.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	4.0	10.5
NE	.0	1.0	.0	4.0	.0	.0	.0	.0	.0	.0	.0	3.0	.0	5.0	.0	13.0	24.5
ENE	.0	.0	.0	1.0	.0	1.0	.0	1.0	.0	2.0	.0	1.0	.0	4.0	.0	10.0	26.2
E	.0	.0	.0	4.0	.0	1.0	.0	2.0	.0	.0	.0	.0	.0	1.0	.0	8.0	14.1
ESE	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	7.0
SE	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	3.0
SSE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	1.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	5.7
SSW	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	6.0
SW	.0	2.0	.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.0	5.2
WSW	.0	.0	.0	8.0	.0	.0	.0	1.0	.0	1.0	.0	.0	.0	.0	.0	10.0	8.7
W	.0	.0	.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	6.0	13.5
WNW	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	10.0
NW	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	3.0
NNW	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	8.5
CALM	.1	30.0													.1	30.0	
TOTAL	.1	37.0	.1	37.0	.0	3.0	.0	4.0	.0	3.0	.0	5.0	.0	11.0	.3	100	10.3

RKS ROCK SPRINGS, WY

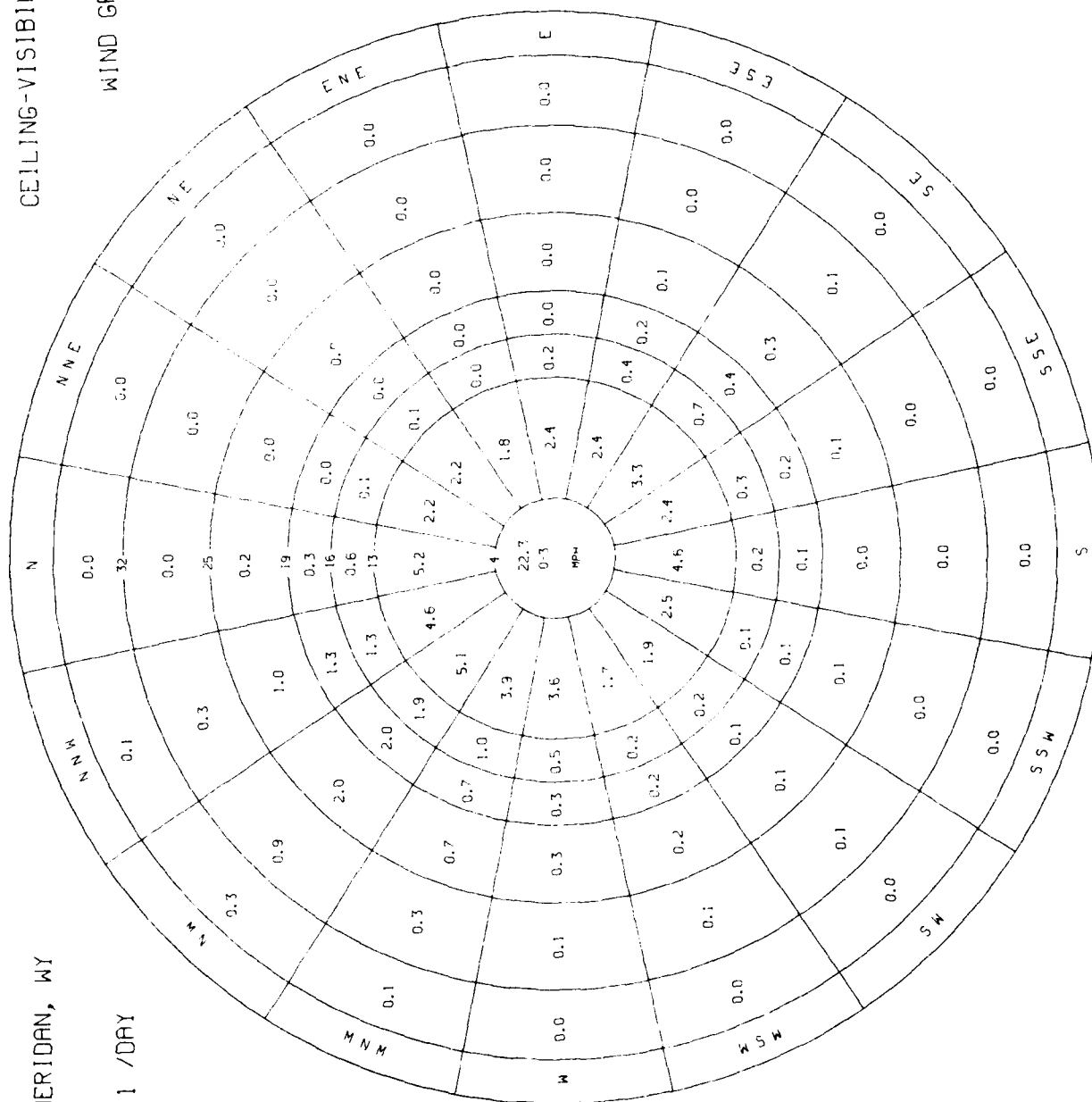
CLASS 7



SHR SHERIDAN, WY

WIND GRAPH

CLASS 1 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: 5HR SHERIDAN, WY

PERIOD: 1948-1978

CLASS 1 / DAY

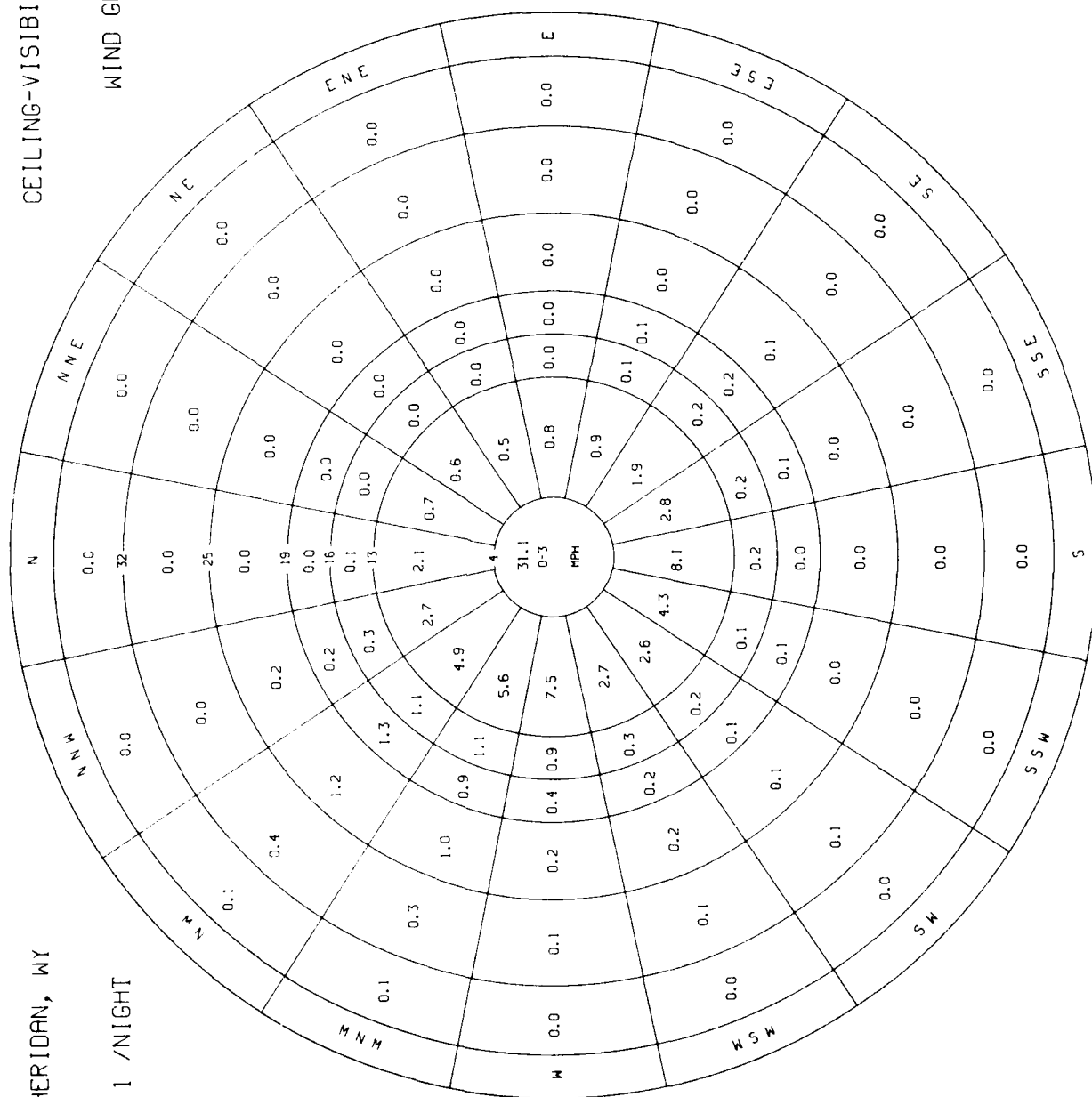
STATION NUMBER: 24029

NO. OBS.: 49237

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	1.5	1.7	5.2	5.6	.6	.7	.3	.3	.2	.2	.0	.0	.0	.0	7.9 8.5 7.7
NNE	1.0	1.0	2.2	2.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	3.3 3.6 6.0
NE	1.2	1.3	2.2	2.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	3.5 3.7 5.5
ENE	.9	.9	1.8	1.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.7 2.9 5.9
E	1.1	1.2	2.4	2.6	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	3.8 4.1 6.5
ESE	1.0	1.0	2.4	2.5	.4	.4	.2	.2	.1	.1	.0	.0	.0	.0	4.0 4.3 8.0
SE	1.1	1.2	3.3	3.5	.7	.7	.4	.5	.3	.3	.1	.1	.0	.0	5.8 6.2 9.2
SSE	1.0	1.0	2.4	2.5	.3	.3	.2	.2	.1	.1	.0	.0	.0	.0	3.9 4.2 7.5
S	1.7	1.9	4.6	5.0	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	6.7 7.2 6.4
SSW	.8	.9	2.5	2.7	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	3.6 3.9 6.9
SW	.8	.9	1.9	2.0	.2	.2	.1	.1	.1	.1	.1	.1	.0	.0	3.2 3.4 7.8
WSW	.6	.6	1.7	1.8	.2	.2	.2	.2	.2	.2	.1	.1	.0	.0	2.9 3.2 9.4
W	.8	.8	3.6	3.8	.5	.6	.3	.3	.3	.3	.1	.1	.0	.0	5.5 5.9 9.2
WNW	.8	.8	3.9	4.2	1.0	1.0	.7	.8	.7	.7	.3	.4	.1	.1	7.5 8.1 11.6
NW	1.1	1.2	5.1	5.5	1.9	2.1	2.0	2.1	2.0	2.1	.9	1.0	.3	.3	13.4 14.3 13.7
NNW	1.0	1.0	4.6	4.9	1.3	1.4	1.3	1.4	1.0	1.1	.3	.3	.1	.1	9.5 10.2 11.7
CALM	5.9	6.4													5.9 6.4
TOTAL	22.3	24.0	49.8	53.4	7.8	8.3	5.9	6.3	5.0	5.4	1.9	2.1	.6	.6	93.2 100 8.7

SHR SHERIDAN, WY
 CLASS 1 /NIGHT

CEILING-VISIBILITY
 WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: SHR SHERIDAN, WY

PERIOD: 1948-1978

CLASS 1 / NIGHT

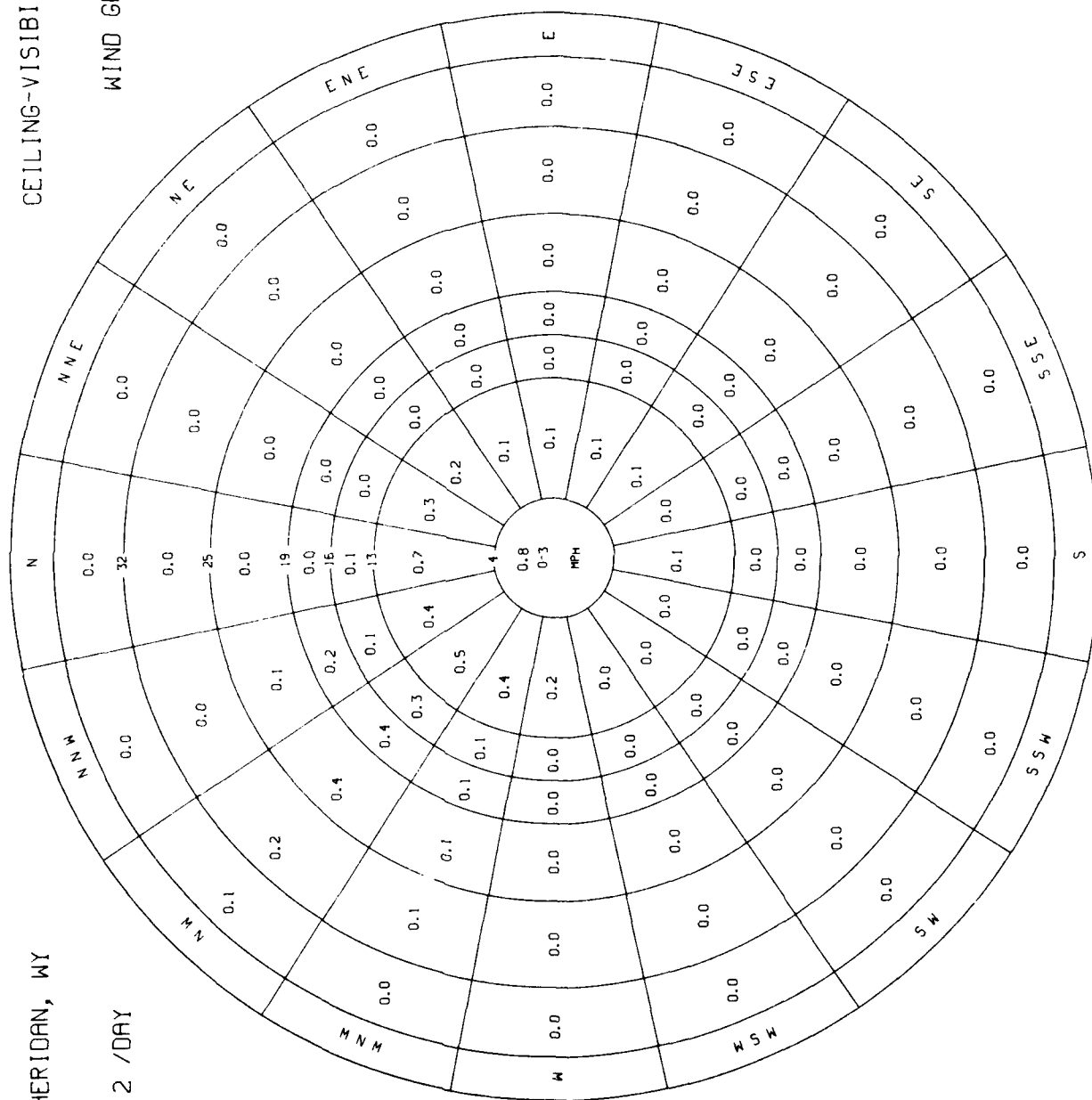
STATION NUMBER: 24029

NO. OBS.: 34802

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	1.0	1.0	2.1	2.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	3.2 3.5
NNE	.5	.5	.7	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2 1.3
NE	.6	.6	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2 1.3
ENE	.3	.3	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8 .9
E	.6	.6	.8	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5 1.6
ESE	.4	.5	.9	.9	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	1.5 1.6
SE	.9	.9	1.9	2.0	.2	.2	.2	.2	.1	.1	.0	.0	.0	.0	3.2 3.5
SSE	.9	.9	2.8	3.0	.2	.2	.1	.1	.0	.1	.0	.0	.0	.0	4.0 4.3
S	2.2	2.4	8.1	8.7	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	10.5 11.4
SSW	1.1	1.2	4.3	4.7	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	5.6 6.1
SW	1.1	1.2	2.6	2.9	.2	.2	.1	.1	.1	.1	.1	.1	.0	.0	4.2 4.6
WSW	.7	.7	2.7	2.9	.3	.4	.2	.2	.2	.2	.1	.1	.0	.0	4.2 4.5
W	1.1	1.1	7.5	8.1	.9	1.0	.4	.4	.2	.2	.1	.1	.0	.0	10.1 10.9
WNW	.8	.9	5.6	6.1	1.1	1.1	.9	1.0	1.0	1.0	.3	.4	.1	.1	9.8 10.6
NW	1.1	1.2	4.9	5.3	1.1	1.2	1.3	1.4	1.2	1.3	.4	.4	.1	.1	10.0 10.8
NNW	.7	.7	2.7	2.9	.3	.3	.2	.2	.2	.2	.0	.0	.0	.0	4.1 4.4
CALM	17.3	18.7													17.3 18.7
TOTAL	31.1	33.7	48.6	52.6	4.7	5.1	3.6	3.9	3.0	3.3	1.0	1.1	.3	.3	92.5 100

CEILING-VISIBILITY

WIND GRAPH



SHR SHERIDAN, WY

CLASS 2 /DAY

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: SHR SHERIDAN, WY

CLASS 2 / DAY

NO. OBS.: 3574

STATION NUMBER: 24029

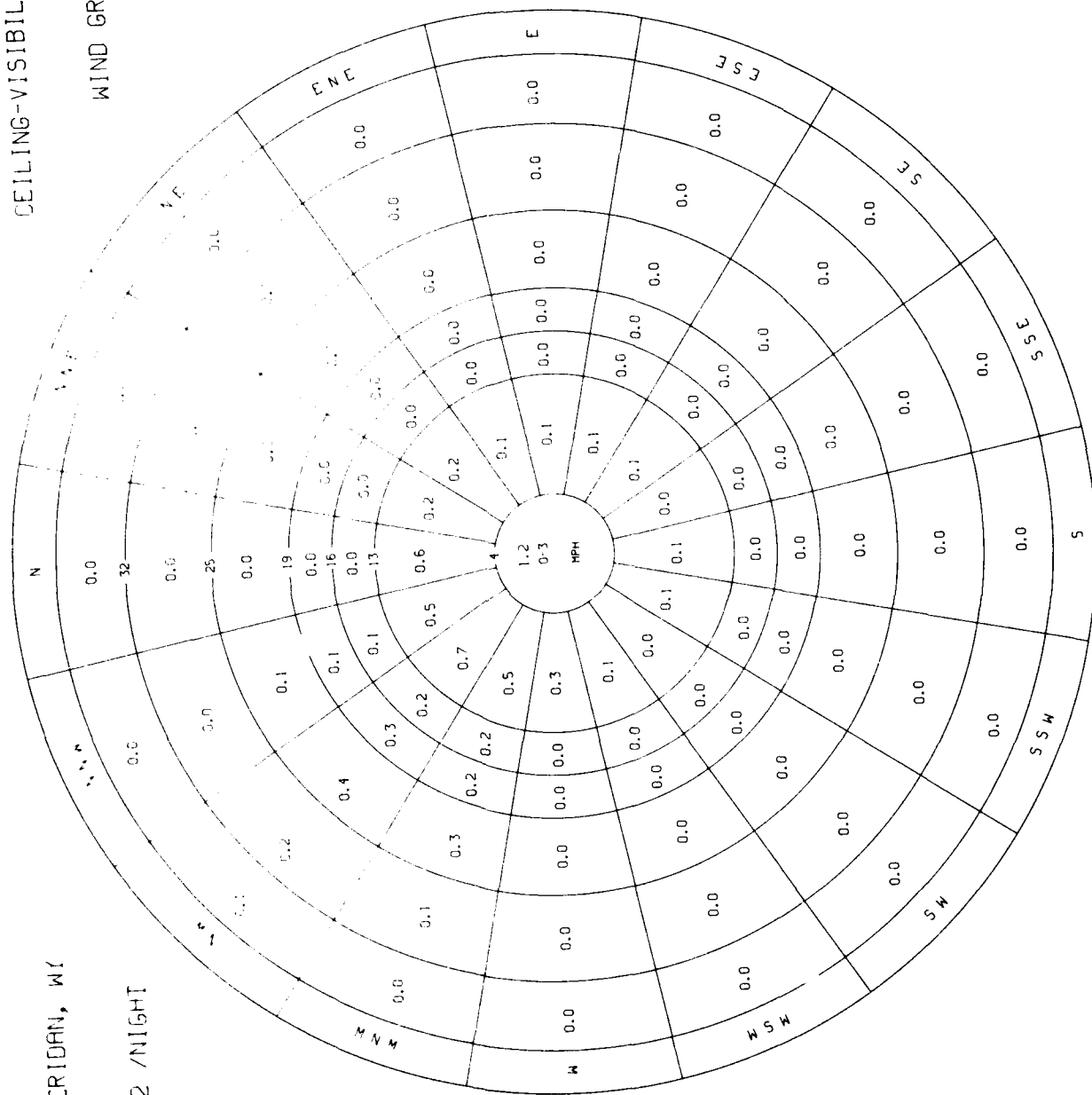
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
																C	D
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D
N	.1	1.1	.7	9.7	.1	1.3	.0	.5	.0	.1	.0	.1	.0	.0	.9	12.6	8.5
NNE	.1	.9	.3	4.2	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.4	5.7	7.6
NE	.0	.6	.2	3.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.3	3.7	6.9
ENE	.0	.7	.1	1.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	2.4	6.3
E	.0	.7	.1	1.8	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.2	2.7	6.8
ESE	.0	.5	.1	1.3	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.1	2.1	7.4
SE	.0	.4	.1	.8	.0	.2	.0	.2	.0	.1	.0	.0	.0	.0	.1	1.7	9.3
SSE	.0	.4	.0	.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.9	5.1
S	.0	.6	.1	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.5	4.9
SSW	.0	.4	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.9	4.6
SW	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	4.6
WSW	.0	.4	.0	.6	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1	1.1	6.5
W	.0	.3	.2	2.7	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.2	3.5	8.8
WNW	.0	.4	.4	5.9	.1	1.8	.1	1.8	.1	2.2	.1	1.2	.0	.7	1.0	14.1	15.5
NW	.1	.8	.5	7.9	.3	5.1	.4	5.3	.4	6.4	.2	3.0	.1	.9	2.0	29.4	16.5
NNW	.0	.7	.4	6.3	.1	1.9	.2	2.6	.1	1.7	.0	.6	.0	.1	.9	13.7	12.9
CALM	.2	3.3													.2	3.3	
TOTAL	.8	12.5	3.2	48.0	.8	11.5	.7	10.8	.7	10.7	.3	4.8	.1	1.7	6.8	100	11.8

CEILING-VISIBILITY

WIND GRAPH

SHR SHERIDAN, WI

CLASS 2 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: SHR SHERIDAN, WY

PERIOD: 1948-1978

CLASS 2 / NIGHT

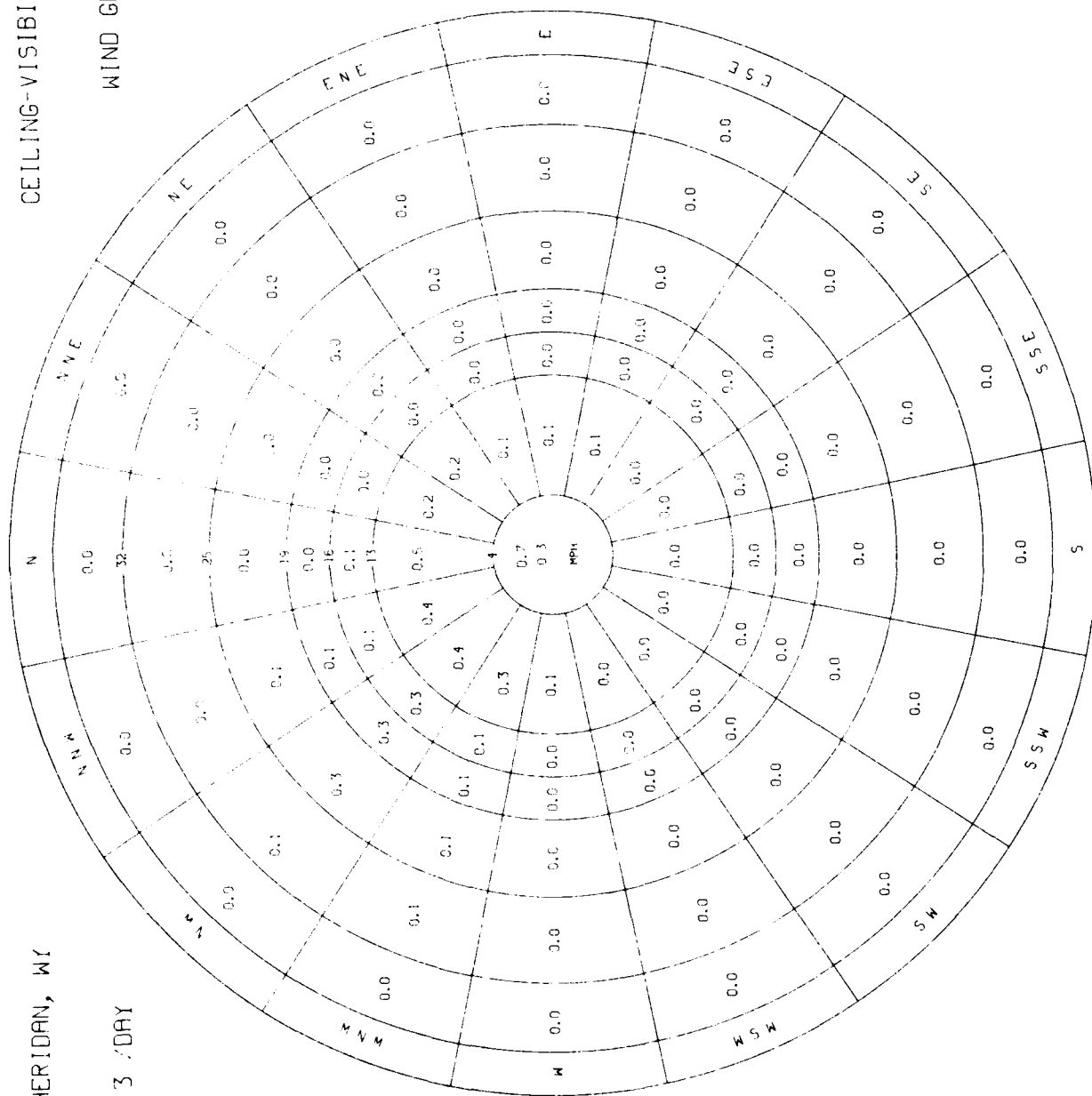
STATION NUMBER: 24029

NO. OBS.: 2837

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	1.3	.6	8.5	.0	.6	.0	.2	.0	.1	.0	.0	.0	.0	.8 10.7
NNE	.0	.6	.2	2.7	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.3 3.5
N	.0	.5	.2	3.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.3 3.5
ENE	.0	.4	.1	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 1.5
E	.0	.6	.1	1.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2 2.3
ESE	.0	.2	.1	1.1	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1 1.6
SE	.0	.4	.1	.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 1.3
SSE	.0	.4	.0	.5	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1 1.0
S	.1	.9	.1	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 2.5
SSW	.0	.4	.1	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 1.3
SW	.0	.3	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 .7
WSW	.0	.2	.1	1.1	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1 1.6
W	.0	.2	.3	4.5	.0	.4	.0	.2	.0	.2	.0	.0	.0	.0	.4 5.6
WNW	.0	.6	.5	7.3	.2	2.4	.2	2.2	.3	3.6	.1	1.6	.0	.5	1.4 18.3
NW	.1	.8	.7	9.1	.2	3.2	.3	4.3	.4	5.1	.2	2.7	.1	.8	2.0 26.0
NNW	.1	.7	.5	7.2	.1	1.0	.1	1.2	.1	.8	.0	.4	.0	.1	.9 11.3
CALM	.5	7.3													.5 7.3
TOTAL	1.2	15.8	3.9	51.1	.6	8.5	.6	8.5	.7	9.9	.4	4.8	.1	1.4	7.5 100

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: SHR SHERIDAN, WY

CLASS 3 / DAY

NO. OBS.: 2846

STATION NUMBER: 24629

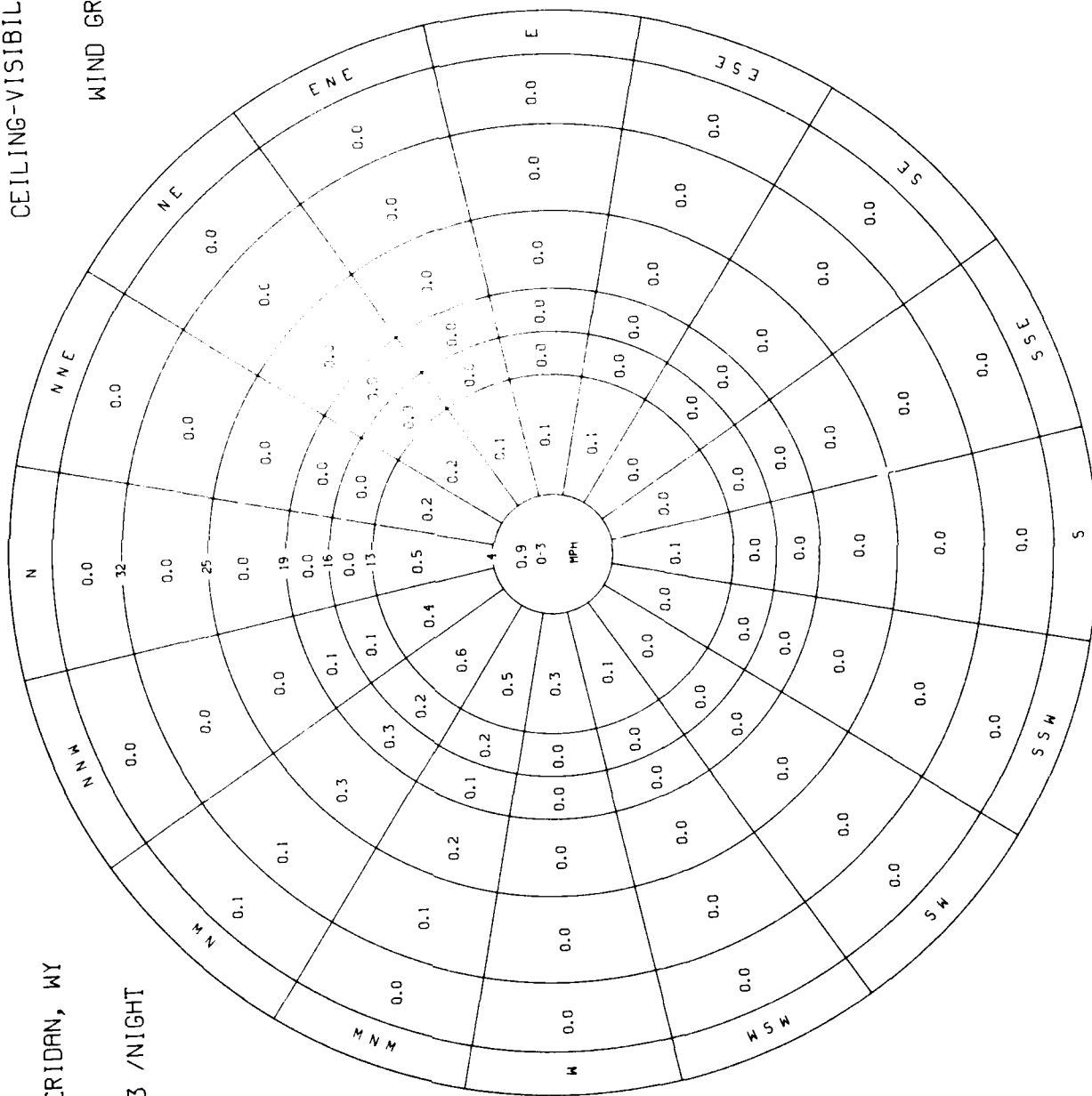
D I R	SPEED GROUPS (MPH)																AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL			
															C	D		
	A	B	A	B	A	B	A	B	A	B	A	B	C	D				
N	.1	1.1	.5	10.0	.1	1.2	.0	.4	.0	.1	.0	.0	.0	.0	.0	.7	12.9	8.3
NNE	.1	.9	.2	4.1	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.3	5.4	7.4
NE	.0	.5	.2	3.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	3.9	6.9
ENE	.0	.8	.1	1.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	2.8	6.3
E	.0	.6	.1	2.0	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.2	2.9	7.2
ESE	.0	.6	.1	1.6	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	2.5	7.6
SE	.0	.4	.0	.8	.0	.3	.0	.2	.0	.2	.0	.0	.0	.0	.0	.1	1.9	10.0
SSE	.0	.3	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	5.6
S	.0	.6	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.4	5.1
SSW	.0	.4	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	4.4
SW	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	4.8
WSW	.0	.5	.0	.6	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	1.1	7.2
W	.0	.3	.1	2.7	.0	.4	.0	.0	.0	.1	.0	.0	.0	.0	.0	.2	3.5	8.8
WNW	.0	.5	.3	6.0	.1	2.0	.1	1.8	.1	2.3	.1	1.0	.0	.3	.8	13.9	14.5	
NW	.0	.8	.4	8.3	.3	5.5	.3	5.4	.3	5.8	.1	2.2	.0	.6	1.5	28.6	15.8	
NNW	.0	.7	.4	6.5	.1	2.0	.1	2.4	.1	1.7	.0	.4	.0	.0	.7	13.8	12.6	
CALM	.2	3.0							.5	10.2	.2	3.6	.1	.9	5.4	100	11.4	
TOTAL	.7	12.1	2.7	50.1	.7	12.4	.6	10.6	.5	10.2	.2	3.6	.1	.9	5.4	100		

CEILING-VISIBILITY

WIND GRAPH

SHR SHERIDAN, WY

CLASS 3 / NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: SHP SHERIDAN, WY

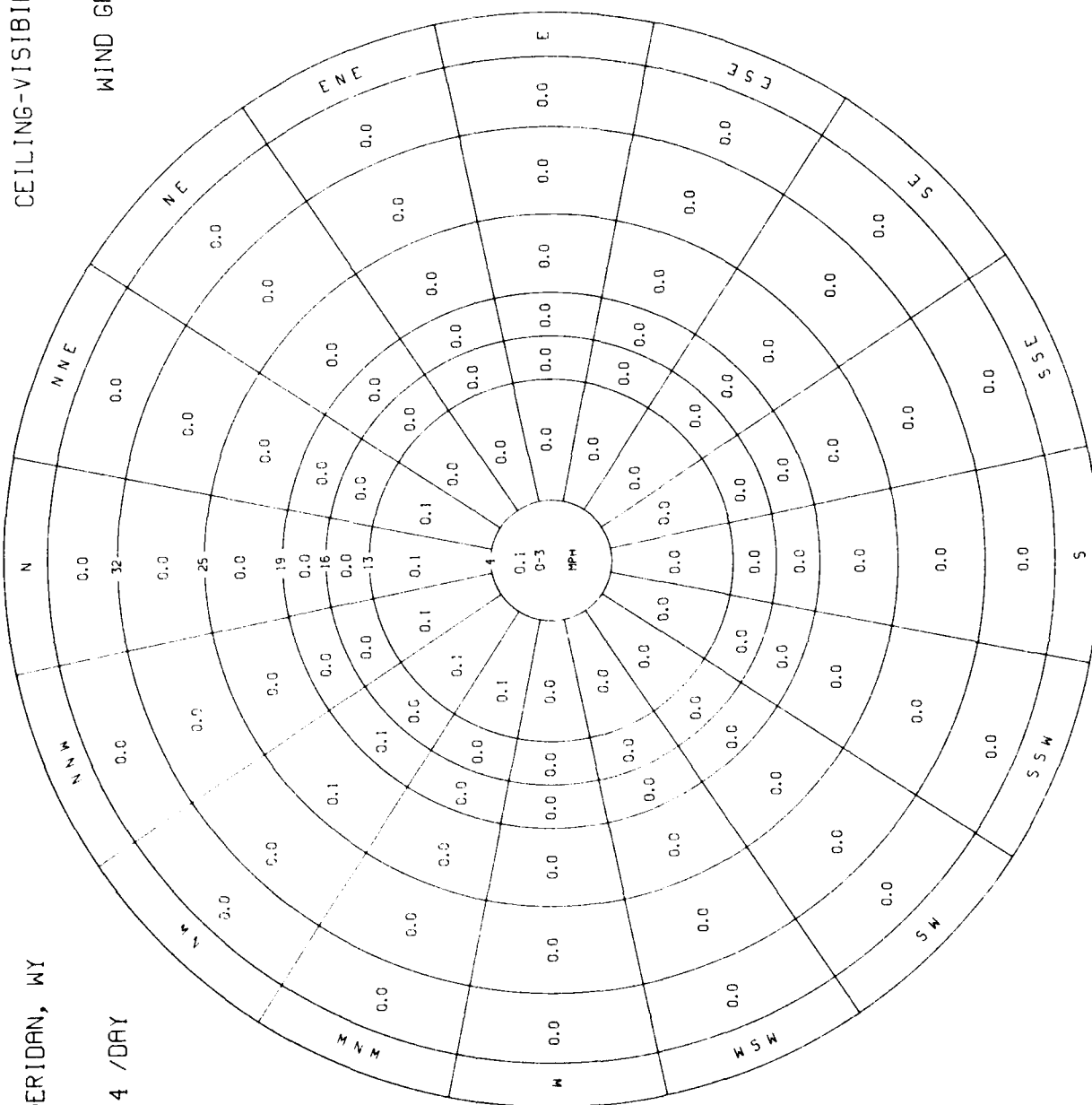
CLASS 3 / NIGHT

NO. OBS.: 2270

STATION NUMBER: 24029

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL			
															C		D	
	A	B	A	B	A	B	A	B	A	B	A	B	C	D				
N	.1	1.4	.5	8.5	.0	.6	.0	.1	.0	.1	.0	.0	.0	.0	.0	.6	10.7	7.5
NNE	.0	.6	.2	2.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	3.4	6.9
NE	.0	.4	.2	3.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	3.9	6.8
ENE	.0	.4	.1	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.5	5.8
E	.0	.6	.1	1.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	2.6	7.0
ESE	.0	.2	.1	1.2	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	1.7	8.4
SE	.0	.4	.0	.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.4	7.5
SSE	.0	.3	.0	.4	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	.9	7.5
S	.0	.8	.1	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.3	5.3
SSW	.0	.3	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.0	5.3
SW	.0	.2	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	5.6
WSW	.0	.2	.1	1.2	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	1.7	9.1
W	.0	.3	.3	5.0	.0	.4	.0	.3	.0	.3	.0	.0	.0	.0	.0	.4	6.3	9.7
WNW	.0	.6	.5	7.9	.2	2.7	.1	2.3	.2	3.3	.1	1.7	.0	.3	.0	1.1	18.9	14.8
NW	.1	.8	.6	9.8	.2	3.4	.3	4.2	.3	4.6	.1	2.2	.1	.8	.0	1.6	25.9	15.2
NNW	.0	.6	.4	7.3	.1	1.1	.1	1.0	.0	.7	.0	.3	.0	.0	.0	.7	11.1	10.6
CALM	.4	6.2														.4	6.2	
TOTAL	.9	14.4	3.2	53.5	.6	9.2	.5	8.4	.5	9.1	.3	4.2	.1	1.2	.0	6.0	100	10.8

CEILING-VISIBILITY
WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: SHR SHERIDAN, WY

CLASS 4 / DAY

NO. OBS.: 532

STATION NUMBER: 24029

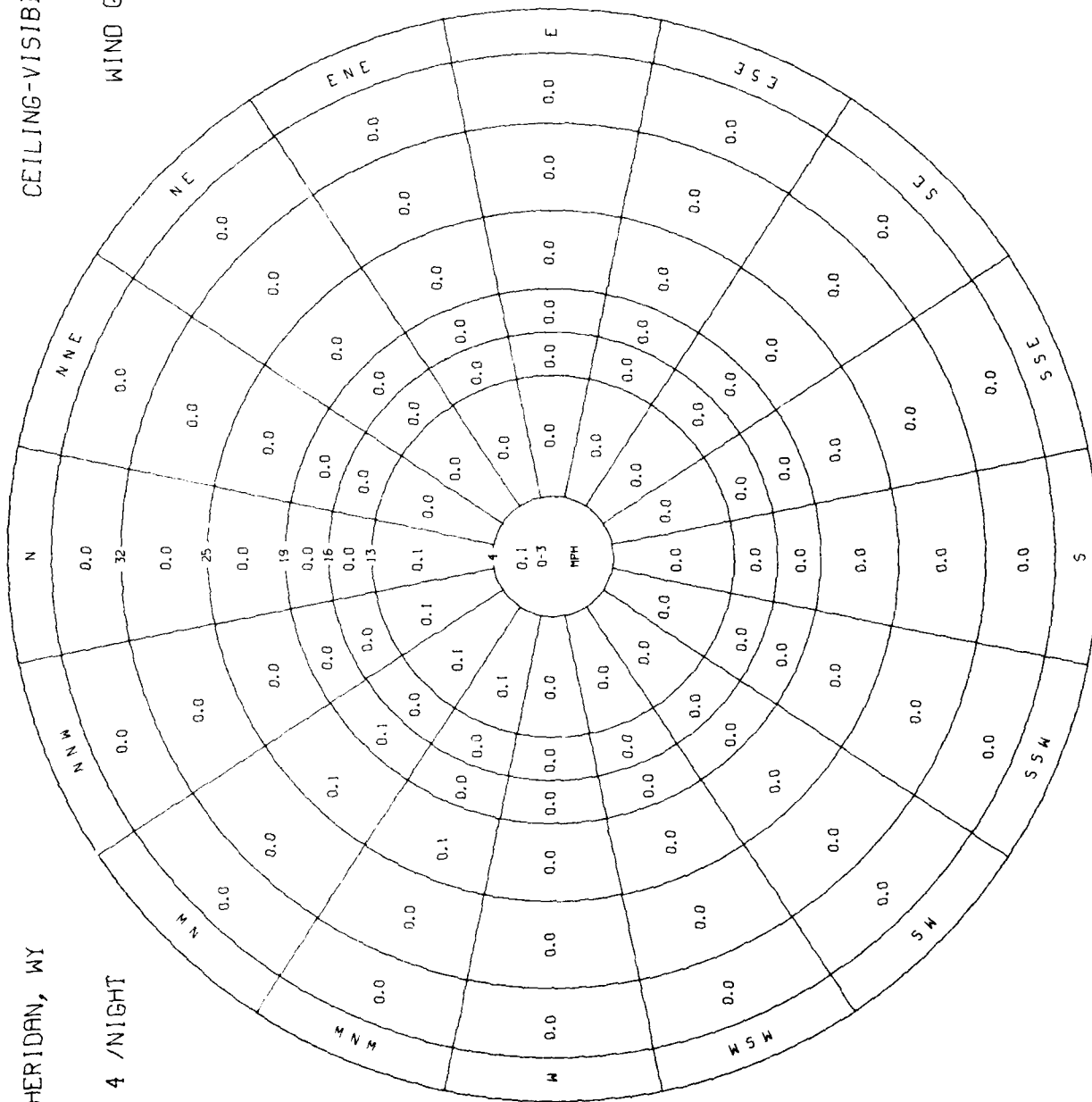
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D
N	.0	.9	.1	10.5	.0	1.7	.0	.9	.0	.2	.0	.2	.0	.0	.1	14.5	9.4
NNE	.0	.4	.1	5.3	.0	.8	.0	.4	.0	.0	.0	.0	.0	.0	.1	6.8	8.4
NE	.0	.8	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.1	7.5
ENE	.0	.2	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	5.6
E	.0	.6	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	5.1
ESE	.0	.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	5.7
SE	.0	.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	4.0
SSE	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	4.2
S	.0	.6	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	4.4
SSW	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	7.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
WSW	.0	.4	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	5.0
W	.0	.6	.0	2.6	.0	.2	.0	.2	.0	.0	.0	.2	.0	.0	.0	3.8	9.1
WNW	.0	.0	.1	6.0	.0	1.3	.0	2.3	.0	2.4	.0	1.1	.0	1.1	.1	14.3	16.6
NW	.0	.8	.1	7.5	.0	4.1	.1	5.8	.1	8.8	.0	4.5	.0	.8	.3	32.3	17.3
NNW	.0	.4	.1	5.6	.0	1.9	.0	3.6	.0	2.1	.0	.9	.0	.0	.1	14.5	13.9
CALM	.0	2.4													.0	2.4	
TOTAL	.1	8.8	.5	45.7	.1	10.0	.1	13.2	.1	13.5	.1	7.0	.0	1.9	1.0	100	12.9

CEILING-VISIBILITY

WIND GRAPH

SHR SHERIDAN, WY

CLASS 4 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: SHR SHERIDAN, WY

PERIOD: 1948-1978

CLASS 4 / NIGHT

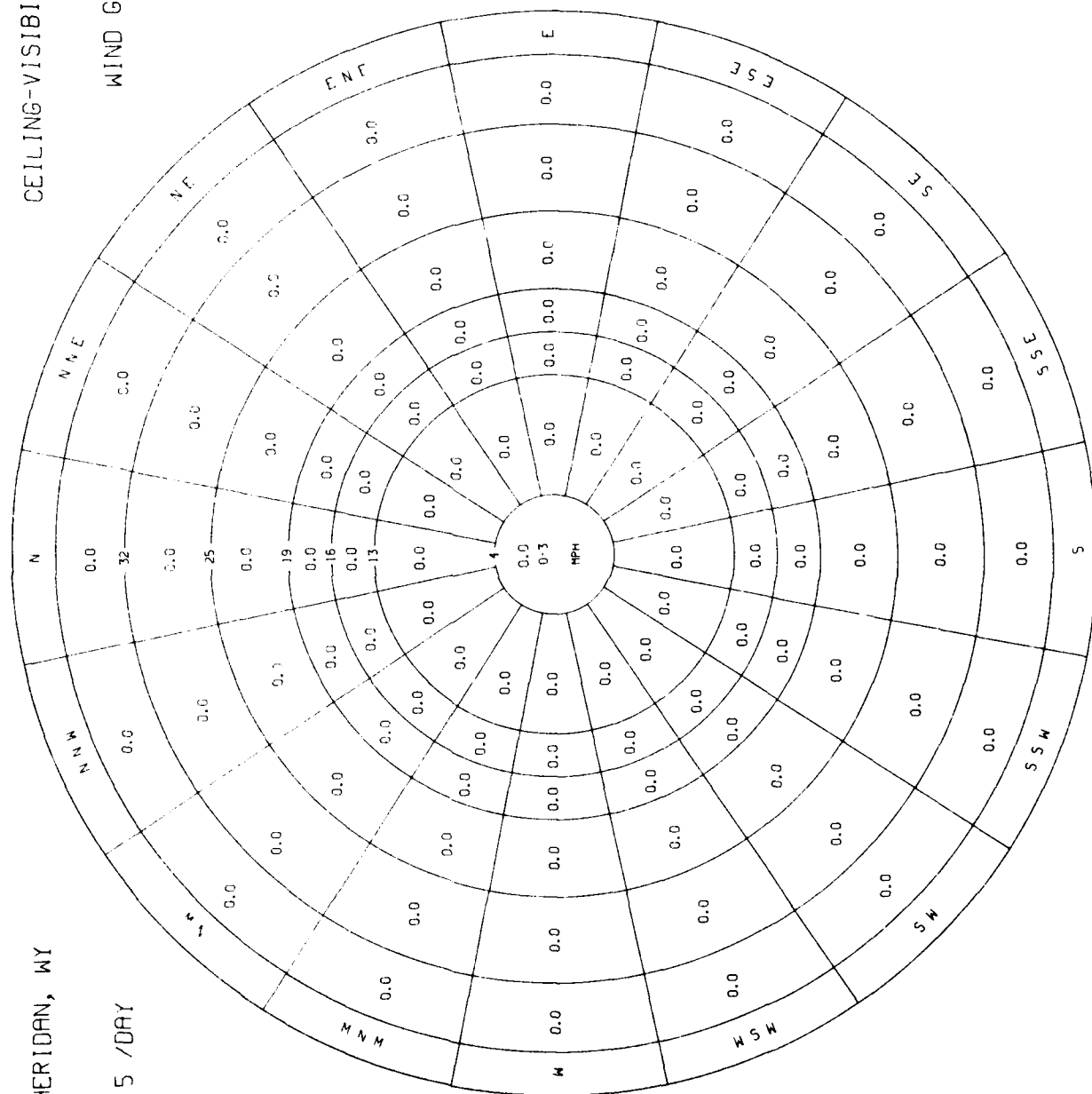
STATION NUMBER: 24029

NO. OBS.: 386

D I R	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	1.0	.1	8.8	.0	1.0	.0	.8	.0	.0	.0	.0	.0	.0	.1	11.7	9.1
NNE	.0	.8	.0	3.6	.0	.3	.0	.3	.0	.3	.0	.0	.0	.0	.1	5.2	7.9
NE	.0	1.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	5.8
ENE	.0	.3	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	6.0
E	.0	.8	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	4.8
ESE	.0	.3	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	5.2
SE	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	7.0
SSE	.0	.3	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	4.0
S	.0	.8	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	5.4
SSW	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	7.0
SW	.0	.0	.0	.8	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	8.5
WSW	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	7.5
W	.0	.0	.0	2.6	.0	.3	.0	.0	.0	.3	.0	.0	.0	.0	.0	3.1	9.7
WNW	.0	.8	.1	5.2	.0	1.3	.0	2.3	.1	6.5	.0	1.8	.0	.5	.2	18.4	17.1
NW	.0	.5	.1	6.5	.0	3.6	.1	5.7	.1	8.0	.0	4.7	.0	.5	.3	29.5	17.9
NNW	.0	.8	.1	8.8	.0	.5	.0	2.3	.0	1.3	.0	.5	.0	.3	.1	14.5	12.0
CALM	.1	6.0													.1	6.0	
TOTAL	.1	13.2	.4	43.5	.1	7.3	.1	11.4	.2	16.3	.1	7.0	.0	1.3	1.0	100	12.6

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: SHR SHEFIDAN, WY

PERIOD: 1948-1978

CLASS 5 / DAY

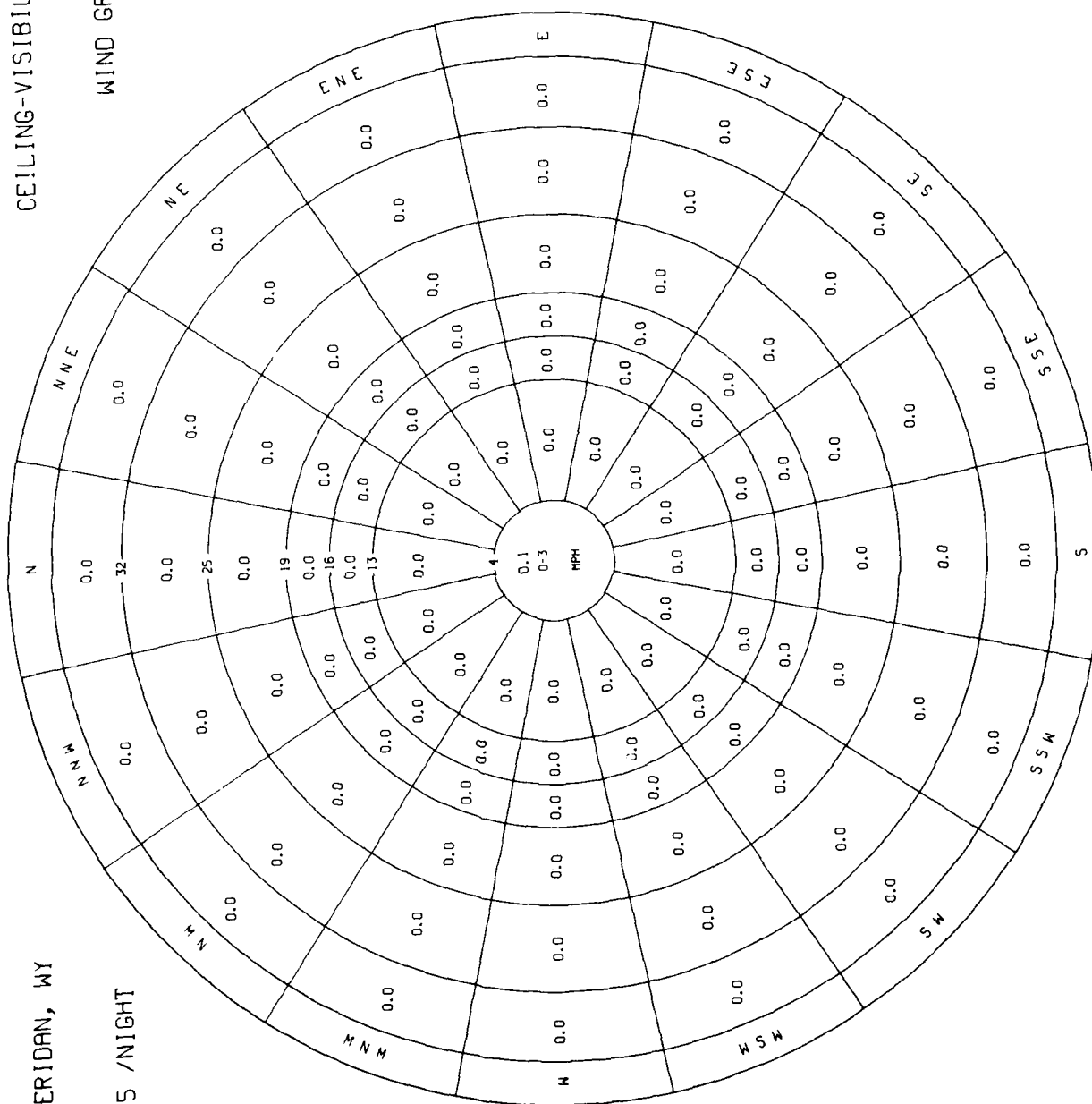
STATION NUMBER: 24029

NO. OBS.: 120

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
																C	D
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			
N	.0	.8	.0	3.3	.0	1.7	.0	.8	.0	.0	.0	.0	.0	.0	6.7	10.0	
NNE	.0	.0	.0	1.7	.0	.0	.0	.8	.0	.8	.0	.0	.0	.0	3.3	13.5	
NE	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	3.0	
ENE	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	8.5	
E	.0	1.7	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	3.0	
ESE	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	2.0	
SE	.0	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	4.0	
SSE	.0	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	4.0	
S	.0	1.7	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	4.2	
SSW	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	5.5	
SW	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	3.0	
WSW	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	3.0	
W	.0	.8	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	6.7	
WNW	.0	.8	.0	3.3	.0	.0	.0	1.7	.0	.8	.0	6.7	.0	1.7	15.0	21.1	
NW	.0	.8	.0	2.5	.0	1.7	.0	5.0	.0	12.5	.0	8.3	.0	5.0	35.8	22.5	
NNW	.0	1.7	.0	6.7	.0	.8	.0	3.3	.0	.8	.0	1.7	.0	.8	15.8	13.5	
CALM	.0	4.2												.0	4.2		
TOTAL	.0	17.5	.1	27.5	.0	4.2	.0	11.7	.0	15.0	.0	16.7	.0	7.5	2	100	
																15.3	

CEILING-VISIBILITY

WIND GRAPH



SHR SHERIDAN, WY

CLASS 5 /NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: SHR SHERIDAN, WY

PERIOD: 1948-1978

CLASS 5 / NIGHT

STATION NUMBER: 24029

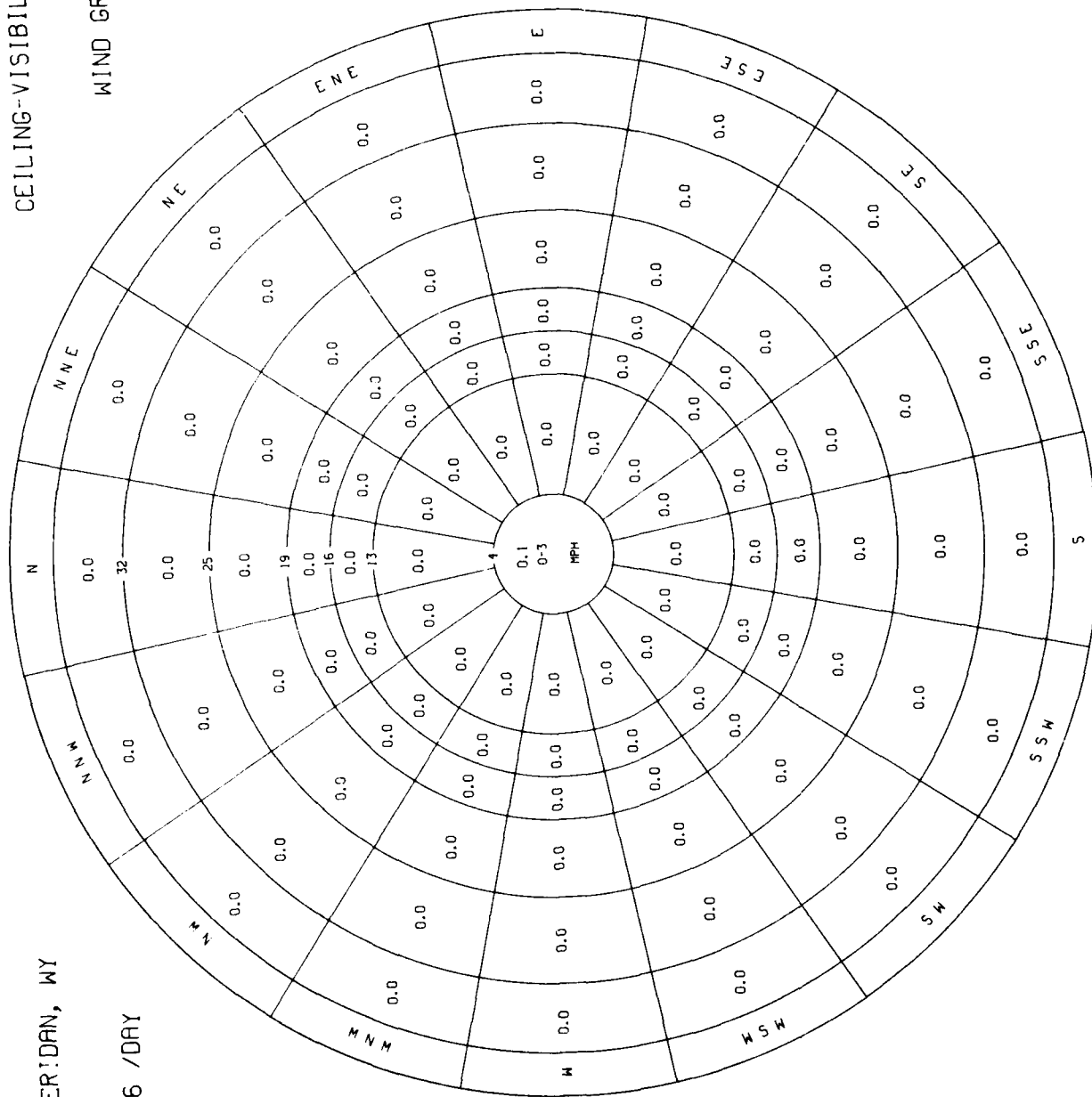
NO. OBS.: 92

D I R	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	9.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.8	6.9
NNE	.0	.0	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	14.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
ENE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	1.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	4.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	5.0
SSE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	2.3
SSW	.0	3.3	.0	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.6	4.4
SW	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	2.0
WSW	.0	1.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	3.5
W	.0	.0	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	6.0
WNW	.0	1.1	.0	6.5	.0	2.2	.0	1.1	.0	1.1	.0	1.1	.0	4.3	.0	17.4	18.3
NW	.0	.0	.0	6.5	.0	1.1	.0	4.3	.0	8.7	.0	6.5	.0	1.1	.1	28.3	20.0
NNW	.0	1.1	.0	4.3	.0	.0	.0	1.1	.0	2.2	.0	2.2	.0	.0	.0	10.9	14.9
CALM	.0	12.0													.0	12.0	
TOTAL	.1	23.9	.1	38.0	.0	4.3	.0	6.5	.0	12.0	.0	9.8	.0	5.4	.2	100	12.2

CEILING-VISIBILITY WIND GRAPH

SHR SHERIDAN, WY

CLASS 6 / DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: SHR SHERIDAN, WY

CLASS 6 / DAY

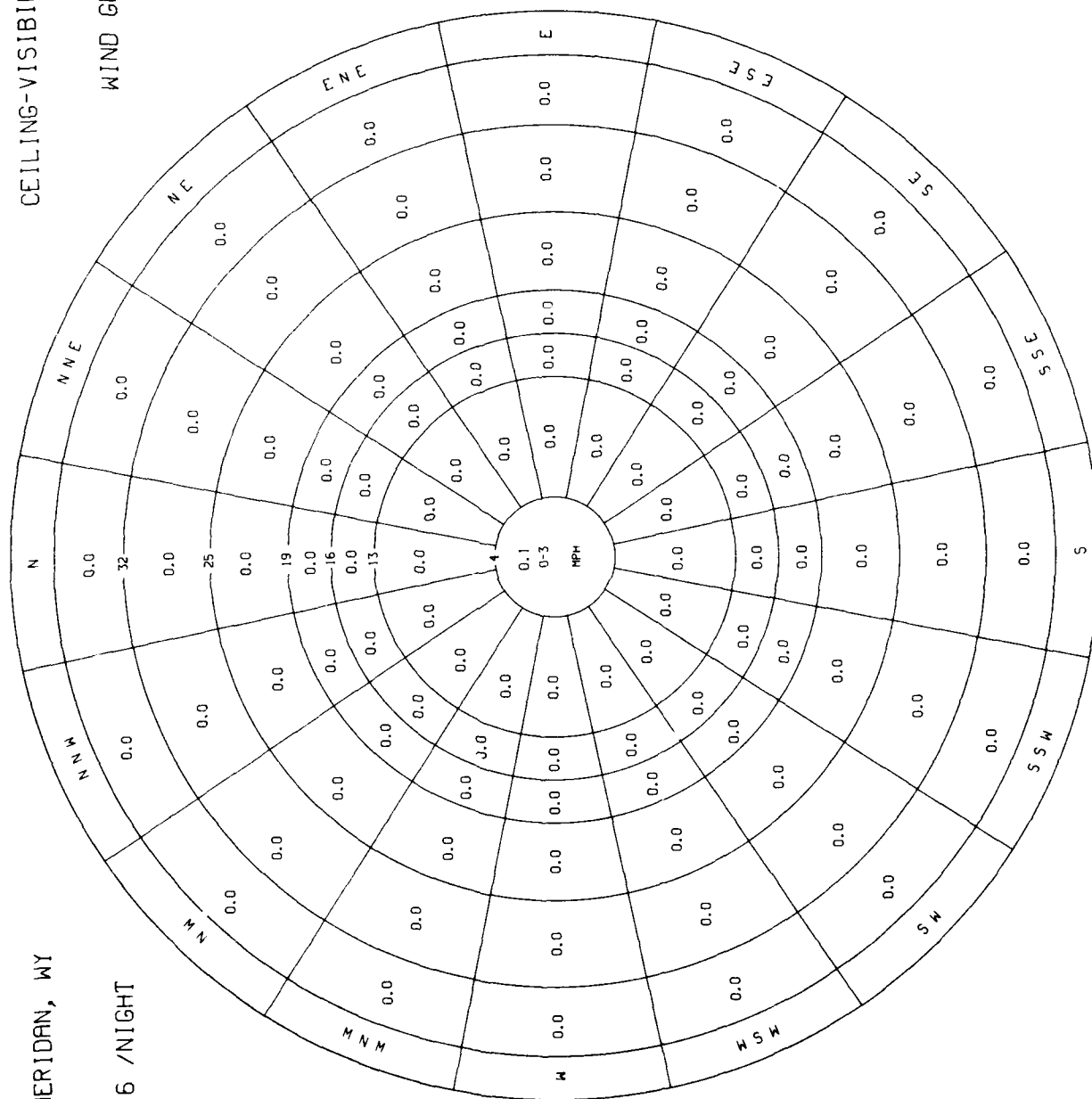
NO. OBS.: 76

STATION NUMBER: 24029

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED
	0-3			4-12			13-15			16-18			19-24			TOTAL
	A	B		A	B		A	B		A	B		A	B		
N	.0	.0		.0	1.3		.0	.0		.0	.0		.0	.0		.0 1.3
NNE	.0	5.3		.0	3.9		.0	.0		.0	.0		.0	.0		.0 9.2
NE	.0	1.3		.0	.0		.0	.0		.0	.0		.0	.0		.0 1.3
ENE	.0	.0		.0	.0		.0	.0		.0	.0		.0	.0		.0 .0
E	.0	1.3		.0	.0		.0	.0		.0	.0		.0	.0		.0 1.3
ESE	.0	.0		.0	.0		.0	.0		.0	.0		.0	.0		.0 .0
SE	.0	1.3		.0	1.3		.0	.0		.0	.0		.0	.0		.0 2.6
SSE	.0	2.6		.0	1.3		.0	.0		.0	.0		.0	.0		.0 3.9
S	.0	1.3		.0	1.3		.0	.0		.0	.0		.0	.0		.0 2.6
SSW	.0	1.3		.0	.0		.0	.0		.0	.0		.0	.0		.0 1.3
SW	.0	1.3		.0	.0		.0	.0		.0	.0		.0	.0		.0 1.3
WSW	.0	2.6		.0	.0		.0	.0		.0	.0		.0	.0		.0 2.6
W	.0	.0		.0	2.6		.0	.0		.0	.0		.0	.0		.0 2.6
WNW	.0	.0		.0	3.9		.0	.0		.0	.0		.0	11.8		.0 17.1
NW	.0	2.6		.0	2.6		.0	.0		.0	1.3		.0	6.6		.0 28.9
NNW	.0	1.3		.0	.0		.0	.0		.0	.0		.0	.0		.0 3.9
CALM	.0	19.7														.0 19.7
TOTAL	.1	42.1		.0	18.4		.0	.0		.0	1.3		.0	17.1		.1 100

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: SHR SHERIDAN, WY

PERIOD: 1948-1978

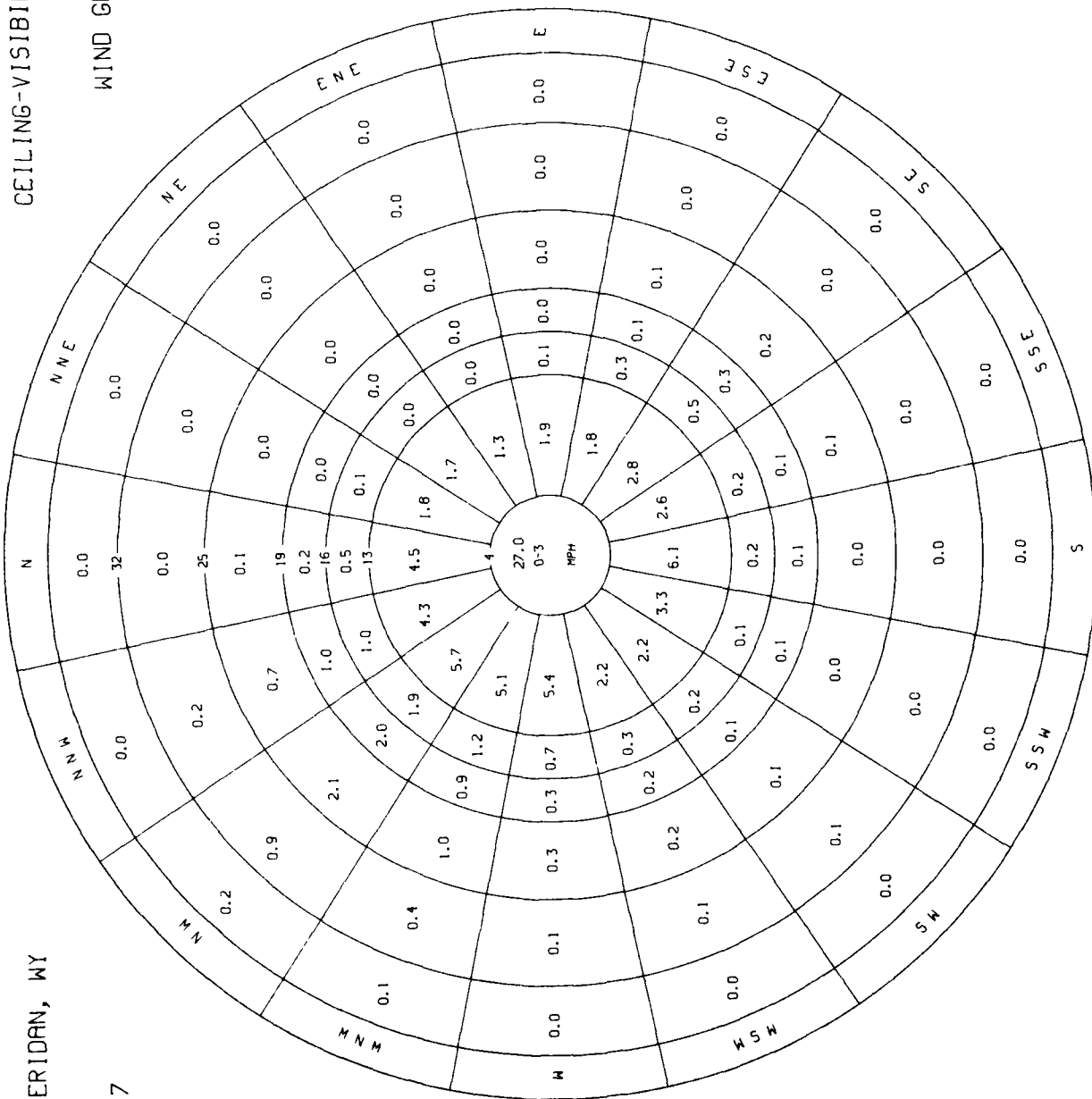
CLASS 6 / NIGHT

STATION NUMBER: 24029

NO. OBS.: 89

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	1.1	.0	4.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.6
NNE	.0	.0	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2
NE	.0	.0	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2
ENE	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
ESE	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1
SE	.0	1.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2
SSE	.0	3.4	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.7
S	.0	2.2	.0	7.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.1
SSW	.0	2.2	.0	4.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.7
SW	.0	3.4	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.5
WSW	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1
W	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1
WNW	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4
NW	.0	1.1	.0	4.5	.0	.0	.0	.0	.0	1.1	.0	5.6	.0	.0	12.4
NNW	.0	1.1	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4
CALM	.1	36.0												.1	36.0
TOTAL	.1	55.1	.1	36.0	.0	.0	.0	.0	.0	1.1	.0	5.6	.0	2.2	100

CEILING-VISIBILITY
WIND GRAPH



SHR SHERIDAN, WY

CLASS 7

**DAT
FILM**